THEMATIC PROGRAM
&
LIST OF PARTICIPANTS

March, 2015

THEMATIC PROGRAM

Contents

Ludwig Prandtl Memorial Lecture

Prandtl Lecture — Monday, 23 | 14:00-15:00
Chair: M. Oberlack — Tiziano Room

14:00 **Discontinuities and topological jumps in slowly evolving vortical flows**
Moffatt

Public Lecture

Public Lecture — Tuesday, 24 | 18:30-19:30
Chair: G. Zavarise — Tiziano Room

18:30 **Do the Gates to the Hell really exist?**
D'Andria

Plenary Lectures

Plenary Lecture 1 — Monday, 23 | 15:00-16:00
Chair: H. Kuhlmann — Tiziano Room

15:00 **On the Motion of a Rigid Body with a Liquid-filled Cavity**
Galdi

Plenary Lecture 2 — Tuesday, 24 | 11:30-12:30
Chair: J. Schroeder — Tiziano Room

11:30 **Micromechanics based modeling of applied materials**
Böhlke

Plenary Lecture 3

Tuesday, 24 | 14:00-15:00
Chair: G. Leugering
Tiziano Room

14:00 **Optimal placement of sensors and actuators for waves in homogeneous and heterogeneous media**
Zuazua

Plenary Lecture 4

Tuesday, 24 | 15:00-16:00
Chair: M. Oberlack
Tiziano Room

15:00 **Particle methods for complex flows of complex fluids**
Adams - Hu – Adami

Plenary Lecture 5

Wednesday, 25 | 09:00-10:00
Chair: L. Gruene
Tiziano Room

09:00 **Nonlinear optimal control for airborne wind energy systems**
Diehl - Horn – Zanon

Plenary Lecture 6

Thursday, 26 | 11:30-12:30
Chair: F. Brezzi
Tiziano Room

11:30 **Shape memory alloys: from recent modeling proposals to cardiovascular device simulations**
Auricchio

Plenary Lecture 7

Thursday, 26 | 14:00-15:00
Chair: V. Mehrmann
Tiziano Room

14:00 **Low-rank techniques for high-dimensional problems in engineering and data-analysis**
Kressner

Plenary Lecture 8

Thursday, 26 | 15:00-16:00
Chair: P. Wriggers
Tiziano Room

15:00 **Interfacial energy and size effects in evolving martensitic microstructures**
Stupkiewicz

Minisymposia Lectures

MS1: Multi-Scale Modeling of Ferroic Functional Materials.

Monday, 23 | 16:30-18:30
Chair: Kiefer — Tiziano Room

16:30 **Multiscale mechanical behaviour of nematic elastomers**
DeSimone

17:10 **A laminate-based modelling approach for rate-dependent switching in ferroelectric materials**
Menzel - Dusthakar - Svendsen

17:30 **Variational Structural and Material Stability Analysis in Finite Electro-Magneto-Mechanics of Active Materials**
Miehe - Vallicotti

17:50 **Simulation of Size Effects in Ferroelectric Materials using a Phase Field Model**
Müller - Gross - Schrade

18:10 **On molecular statics simulations of ferroelectric functional materials**
Steinmann - Endres

MS2: Applications of the Virtual Element Method

Monday, 23 | 16:30-18:30
Chair: Marini — Leonardo Room

16:30 **Virtual Element Methods: an overview**
Brezzi - Beirao da Veiga - Marini - Russo

17:10 **The Virtual Element Method for large scale Discrete Fracture Network simulations: fracture-independent mesh generation**
Berrone - Benedetto - Borio - Pieraccini - Scialò

17:30 **The Plane Wave Virtual Element Method for the Helmholtz Problem**
Pietra - Perugia - Russo

17:50 **Virtual Element Methods for parabolic problems on polygonal meshes**
Vacca

18:10 **A C^1 virtual element method for the Cahn-Hilliard problem**
Verani - Antonietti - Beirao Da Veiga - Scacchi

MS3: Topological Defects in Solids

Monday, 23 | 16:30-18:30
Chair: Conti — Raffaello Room

16:30 **Discrete to continuum analysis of magnetic systems with continuous symmetries**
Cicalese - Ruf - Solombrino

17:00 **Derivation of the line tension energy for dislocations in 3D**
Garroni - Conti - Ortiz

17:30 **Quantization effects in dislocation energies**
Luckhaus

18:00 **Energy scaling law for the regular cone**
Olbermann

MS4: Optimal Control and Hybrid Systems

Monday, 23 | 16:30-18:30
Chair: Ober-Blöbaum - Trenn — Donatello Room

16:30 **Sequential Action Control for Nonlinear and Hybrid Systems**
Murphey

16:50 **Output Regulation in Differential Variational Inequalities using Internal Model Principle and Passivity-Based Approach**
Tanwani

17:10 **Gene regulatory networks: equivalence between Utkin's and sigmoidal approach**
Elia - Del Buono - Lopez

17:30 **On the value function of mixed-integer optimal control problems**
Hante - Gugat

17:50 **Relaxing mixed integer optimal control problems using a time transformation**
Leyendecker - Ringkamp - Ober-Blöbaum

18:10 **Optimal Energy-Based Control of Hybrid Systems with Applications to Robotic Walking**
Sinnet - Ames

MS5: Mechanics in an Interdisciplinary, Multiphysics Environment, Transforming Materials Sciences and Biology

Monday, 23 | 16:30-18:30
Chair: Hellmich - Wall — Leandro 1 Room

16:30 **Mechanics of biological interfaces under stretch and across scales: lipid bilayer membranes and epithelia**
Arroyo

16:50 **The fiber reorientation problem revisited in the context of Eshelbian micromechanics: theory and computations**
Morin - Avril - Hellmich

17:10 **Multiscale hierarchical mechanics in soft tissues**
Marino - Vairo

17:30 **The theory of mechanobiological stability: on the theoretical foundations of mechanobiology in soft tissue**
Cyron - Humphrey

17:50 **Coupling X-ray physics and engineering mechanics, for enhanced analysis of Computer Tompgraphic images**
Hellmich - Dejaco - Blanchard

18:10 **Look different, better understand: computational multphysics enhanced imaging and measuring in biomedicine**
Wall - Schoeder - Roth - Kronbichler

Young Researchers' Minisymposia Lectures

YRMS1: Analysis, Applications and Approximation of Constrained PDEs

Monday, 23 | 16:30-18:30
Chair: Altmann — Leandro 2 Room

16:30 **Stable and efficient simulation of hyperbolic PDAEs describing flow networks**
Huck - Jansen - Tischendorf

17:00 **Stochastic Modeling and Regularity of the Nonlinear Elliptic-Parabolic Magnetoquasistatic Equation**
Römer - Schöps

17:30 **Hydrodynamic force elements: A PDAE approach**
Fiedler - Arnold

18:00 **The Pressure Manifold in the Unsteady Navier-Stokes Equation and in Semi-Discretizations**
Heiland

YRMS2: Phase Field Modeling in Mechanics and Applied Mathematics

Monday, 23 | 16:30-18:30
Chair: Kuhn - Giesselmann — Leandro 3 Room

16:30 **On numerical schemes for phase-field models for electrowetting with electrolyte solutions**
Metzger

17:00 **On elastic Cahn-Hilliard systems coupled with evolution inclusions for damage processes**
Heinemann - Kraus

17:30 **Phase field modeling of ferroelectric materials with defects**
Xu - Zuo - Ma

18:00 **Simulation of Atomic Force Microscopy for investigating $BaTiO_3$ and $LiMn_2O_4$ nanostructures based on Phase Field Approach**
Thai - Keip - Schröder - Amanieu - Rosato

YRMS3: Discretization Aspects in PDE Constrained Optimization

Monday, 23 | 16:30-18:30
Chair: Wollner — Botticelli Room

16:30 **Shape optimization by pursuing diffeomorphisms**
Paganini - Hiptmair

16:50 **Fast Iterative Solvers for Discretizations of PDE-Constrained Optimization Problems**
Pearson

17:10 **Finite element error estimates for Dirichlet boundary control problems on polygonal domains**
Pfefferer - Apel - Mateos - Rösch

17:30 **Scaling Limits in Computational Bayesian Inversion**
Schillings - Schwab

17:50 **A Posteriori Error Estimation for State-Constrained Optimal Control Problems**
Steinig - Siebert - Rösch

18:10 **Optimal convergence order for control constrained optimal control problems**
Wachsmuth - Schneider

YRMS4: Co-/Sparsity, Inverse Problems and Compressive Imaging

Monday, 23 | 16:30-18:30
Chair: Petra - Weinmann — Giotto Room

16:30 **Recovering overcomplete sparse representations from structured sensing**
Needell - Krahmer – Ward

17:10 **Computational Aspects of Sparse Recovery**
Tillmann

17:30 **Joint reconstruction and segmentation from sparse Radon data**
Frikel - Storath - Weinmann - Unser

17:50 **Empirical phase transitions in sparsity-regularized X-ray CT**
Jørgensen

18:10 **Cosparse models and recovery algorithms for inverse problems in acoustics and electro-encephalography**
Bertin - Kitic - Albera - Gribonval

YRMS5: Topics in Low-rank Tensor Approximation

Monday, 23 | 16:30-18:30
Chair: Vandereycken — Masaccio Room

16:30 **Finding low-rank bases of matrix subspaces**
Uschmajew - Nakatsukasa - Soma

16:50 **Decoupling multivariate functions using tensor decompositions**
Dreesen - Ishteva - Schoukens

17:10 **Soft Thresholding of Hierarchical Tensors and Its Application in Iterative Methods**
Bachmayr - Schneider

17:30 **Tensor-structured approximation for the solution of differential equations**
Kazeev

17:50 **Riemannian BFGS on the Tensor Train component space using an inherited tensor metric**
Pfeffer - Schneider

18:10 **Preconditioned Riemannian optimization for low-rank tensor equations**
Vandereycken - Kressner – Steinlechner

Contributed Sections

S01: Multi-body dynamics

S01.1 Tuesday, 24 | 09:00-11:00
Chair: Schiehlen Botticelli Room

09:00 **Impulse-based control of simple oscillators within the nonsmooth mechanics approach**
Schindler - Mayet - Seiwald

09:20 **Learning Robot Force/Position Control for Repetitive High Speed Applications with Unknown Non-Linear Contact Stiffness**
Parzer - Gattringer - Müller

09:40 **An Optimal Control Approach to the Simulation of Problems with Servo Constraints**
Altmann - Heiland

10:00 **An explicit approach for time-optimal trajectory planning for kinematically redundant robots**
Reiter - Springer - Gattringer - Müller

10:20 **A numerical method for the servo constraint problem of underactuated mechanical systems**
Yang - Betsch - Altmann

10:40 **Active damping control for an underactuated multibody system**
Burkhardt - Morlock - Seifried – Eberhard

S01.2 Tuesday, 24 | 16:30-18:30
Chair: Beitelschmid Botticelli Room

16:30 **Guideway based damping control of vehicle suspensions**
Schiehlen

16:50 **Modelling a pushbelt variator**
Grundl - Schindler - Rixen - Ulbrich - van der Velde - Yildiz

17:10 **Modal Analysis of Vehicle Power Trains**
Haslinger - Offner - Sopouch

17:30 **Study on Real-Time Simulation of Elastic Multibody Systems with Application in Vehicle Dynamics**
Schmitt - Seifried

17:50 **A mechanical model of a passive dynamic walker with unilateral viscoelastic contact formulation**
Deppler - Lüdke - Fidlin

18:10 **Investigation of optimal bipedal walking gaits subject to different energy-based objective functions**
Römer - Fidlin – Seemann

S01.3 Thursday, 26 | 09:00-11:00
Chair: Burkhardt Botticelli Room

09:00 **Coupling Elastic Bodies with an Enhanced Craig-Bampton-like Scheme**
Eberhard - Holzwarth

09:20 **Back-Transformation into Physical Configuration Space after Model Order Reduction onto a General Subspace**
Beitelschmidt - Lein

09:40 **Topology Optimization of Flexible Bodies in Multibody Systems using the Floating Frame of Reference Approach**
Seifried - Held - Moghadasi

10:00 **Nonexpansivity of the Newton's Cradle Impact Law**
Leine - Winandy

10:20 **An annular Kirchhoff plate model tailored for rotating and non-rotating external loads**
Heckmann - Kaiser

10:40 **Performance assessment of a tracjectory-tracking approach for a manipulator with uncertainties using inverse fuzzy arithmetic**
Walz – Hanss

S01.4 Thursday, 26 | 16:30-18:30
Chair: Seifried Botticelli Room

16:30 **Variational integrators for thermo-viscoelastic discrete systems**
Kern - Romero - Groß

16:50 **Variational integrators of higher order for flexible multibody systems**
Bartelt - Groß

17:10 **Error estimation approach for controlling the comunication step size for semi-implicit co-simulation methods**
Meyer – Schweizer

S01.5 Friday, 27 | 09:00-11:00
Chair: Ziegler Botticelli Room

09:00 **A Reproducible Excitation Mechanism for Analyzing Electric Guitars**
Hanss - Bestle - Eberhard

09:20 **Transient amplification of maximum vibration amplitudes**
Bonhage - Hentschel - Panning-v. Scheidt - Wallaschek

09:40 **Prox formulation of the cavitation problem in elastohydrodynamic lubrication contact**
Krinner - Rixen

10:00 **Rigid body motion in a medium: data preparation for execution of experiments**
Shamolin

S02: Biomechanics

S02.1 Tuesday, 24 | 09:00-11:00
Chair: Rammerstorfer Leandro 3 Room

09:00 **A new fully explicit algorithmic strategy for the simulation of bone healing directly on computed tomography data**
Diebels - Roland - Tjardes - Bouillon

09:20 **Evolution of Mechanical Properties in Tissues Undergoing Deformation-Related Fiber Remodeling Processes**
Topol - Demirkoparan - Pence - Wineman

09:40 **Numerical Calculation of Fiber Orientation in Three-Dimensional Arterial Walls**
Fausten - Balzani - Schröder

10:00 **Towards an accurate mechanical characterisation of human's aortic leaflets during the heart cycle**
Morales Ortuno - Röhrle

10:20 **Towards effective properties of active muscle tissue via homogenisation**
Bleiler - Ponte Castañeda - Rohrle

10:40 **Modeling of skin anisotropy directions for realistic finite element simulations of the female breast**
Li - Jabareen - Raith – Itskov

S02.2 Tuesday, 24 | 16:30-18:30
Chair: Diebels Leandro 3 Room

16:30 **Experimental testing of transversely isotropic biological tissues - interaction between fibre and matrix material**
Böl - Ehret - Leichsenring - Ernst

16:50 **A porous media approach for plantar tissue during gait**
Boso - Sciumè - Schrefler

17:10 **A multi-scale time-dependent constitutive model of soft collagenous tissue**
Hillgärtner - Linka - Itskov

17:30 **Extremal loading of soft fibrous tissues: multi-scale mechanics and constitutive modeling**
Linka - Khiem - Itskov

17:50 **A Numerical Study of Fluid Flow in Articular Cartilage Based on the Darcy-Forchheimer Law**
Carfagna – Grillo

18:10 **Forchheimer's Correction in Modelling Flow in Poroelastic Materials with Statistical Fibre-Reinforcement**
Grillo - Carfagna – Federico

S02.3 Wednesday, 25 | 14:00-16:00
Chair: Böl Leandro 3 Room

14:00 **Relaxed incremental Variational Approach for Damage in Arteries**
Balzani - Schmidt

14:40 **Computation of residual stress distributions and opening angles of 3D patient-specific arterial walls**
von Hoegen - Schröder

15:00 **Phase-field modeling of fracture in biological tissues**
Raina - Miehe

15:20 **Fluid structure interaction in hemodynamics**
Heinlein - Balzani - Deparis - Fausten - Forti - Klawonn - Quarteroni - Rheinbach - Schörder

15:40 **Linking structural dynamics to the nonlinear viscoelasticity and fatigue mechanics in fibrin biopolymers**
Kurniawan – Koenderink

S02.4 Wednesday, 25 | 16:30-18:30
Chair: Nackenhorst Leandro 3 Room

16:30 **Mechanics of growing tumors: impact of modeling assumptions and boundary conditions on reliability of numerical results**
Sciumè - Schrefler - Santagiuliana - Zavarise

16:50 **Tumor growth in agarose and collagen-agarose co-gels**
Mills - Rudraraju - Garikipati - Kemkemer

17:10 **The role of the microvascular tortuosity in tumor transport phenomena**
Penta - Ambrosi

17:30 **Towards the continuum-mechanical modelling of metastatic tumour growth in the brain**
Schröder - Wagner - Ehlers

17:50 **Theoretical and numerical aspects in the multiphasic modelling of human brain tissue**
Wagner - Ehlers

18:10 **On a Multi Scale and Multi Phase Model for the Description of Drug Uptake by the Human Liver**
Werner - Ricken - Holzhütter - König - Dahmen – Dirsch

S02.5 Thursday, 26 | 09:00-11:00
Chair: Sciumè Leandro 3 Room

09:00 **Mechanics of cell-division: A new continuum model for growth inhomogeneities**
Bolea Albero - Böl

09:20 **A geometric approach to characterize rigidity in proteins**
Budday - Leyendecker - van den Bedem

09:40 **Computational simulation of piezoelectric coating surrounding activated tooth implant**
Shirazi Beheshtiha - Nackenhorst

10:00 **Coupling an active middle ear implant to the round window of the cochlea**
Ziegler - Wahl - Eiber

10:20 **Eigenfrequencies of the reconstructed middle ear after tympanoplasty and stapedotomy corresponding to the case when the prosthesis is fixed**
Slavashevich

S03: Damage and fracture mechanics

S03.1 Tuesday, 24 | 09:00-11:00
Chair: Müller Leandro 2 Room

09:00 **Stabilizing the XFEM for static and dynamic crack simulations**
Löhnert

09:20 **Thermo-mechanical modeling of crack propagation in dynamically loaded elastomer specimens using a scaled boundary finite element approach**
Behnke - Kaliske

09:40 **Fitting stress intensity factors from crack opening displacements in 2D and 3D XFEM**
Schätzer - Fries

10:00 **On corner singularities in Reissner's theory of elastic plates**
Felger - Becker

10:20 **Crack propagation at bi-material interfaces**
Parmigiani – Alam

S03.2 Tuesday, 24 | 16:30-18:30
Chair: Müller Leandro 2 Room

16:30 **Global approaches for an accurate loading analysis at multiple cracks systems**
Judt - Ricoeur

16:50 **Crack initiation in elliptically notched plates**
Weißgraeber - Felger - Becker

17:10 **Phase-Field Modeling of Fracture in Anisotropic Media**
Teichtmeister - Miehe

17:30 **A non-isothermal phase-field model for damage in two-phase materials**
Radszuweit - Kraus

17:50 **A novel treatment of crack boundary conditions in phase field models of fracture**
Strobl – Seelig

S03.3 Wednesday, 25 | 14:00-16:00
Chair: Becker Leandro 2 Room

14:00 **Phase-Field Modeling of Hydraulic Fracture**
Mauthe - Miehe

14:20 **3D ductile crack propagation with the XFEM**
Beese - Loehnert - Wriggers

14:40 **Numerical methods for crack loading analyses in quasicrystals**
Wang - Ricoeur

15:00 **Application of a cohesive zone element for prediction of damages in laminated structures**
Rezaei - Wulfinghoff - Kebriaei – Reese

S03.4 Wednesday, 25 | 16:30-18:30
Chair: Baixiang Xu Leandro 2 Room

16:30 **Macroscopic Damage modeling for Silicon Nitride**
Ruck - Othmani - Lube - Khader - Kailer - Böhlke

16:50 **A regularization approach for damage models based on a displacement gradient**
Schwarz - Junker - Hackl

17:10 **Investigation of an elastoplastic material model coupled to nonlocal damage in an implicit-gradient framework**
Brepols - Wulfinghoff - Reese

17:30 **A three-dimensional progressive damage model for fiber reinforced composites with an implicit-explicit integration scheme**
Maaß - Gruttmann

17:50 **Effects of a circular defect size and position on the damage progression in hybrid laminates under compressive loading**
Tala-Ighil – Mokhtari

S03.5 Thursday, 26 | 09:00-11:00
Chair: Loehnert Leandro 2 Room

09:00 **3D modeling of crack percolation due to alkali-silica reaction in concrete RVEs**
Cuba Ramos - Dunant - Molinari

09:20 **Numerical simulation of the fracturing processes in masonry arches**
Invernizzi - Carpinteri - Accornero - Testone

09:40 **A damage-plasticity model to simulate the mode-II fatigue behavior of interfaces between thin adherends**
Carrara - De Lorenzis

10:00 **Predicting delamination in multilayered CFRP laminates**
Simon - Höwer - Reese

10:20 **Fatigue mechanisms of cord–rubber composites**
Jha - Nackenhorst

10:40 **Determination of the fracture properties from size effect in ceramic-fibers-reinforced PMMA**
Díaz – Mosler

S03.6 Thursday, 26 | 16:30-18:30
Chair: Invernizzi Leandro 2 Room

16:30 **On Anisotropic and Nonlocal Damage Models**
Wulfinghoff - Reese - Brepols - Fassin

16:50 **Model Reduction and Clustering Techniques for Crash Simulations**
Fehr - Grunert

17:10 **Mechanical properties of cold sprayed Ti- and Ni-based composites coatings**
Silvello - Cavaliere

17:30 **Finite Element Method for the Vibration of cracked Beams with Varying Cross Section**
Haskul - Kisa

17:50 **Growth of a substrate material damage as a result of waves localization**
Abramian - Vakulenko

S04: Structural mechanics

S04.1 Tuesday, 24 | 09:00-11:00
Chair: Steinmann Leonardo Room

09:00 **T-splines discretizations for large deformation contact problems**
Dimitri - Zavarise

09:40 **Following forces as an inverse contact algorithm**
Konyukhov - Schweizerhof - Izi

10:00 **Application of the virtual element method to non-conforming contact interfaces**
Rust - Wriggers - Reddy

10:20 **Non-unique Equilibria of a Statically Indeterminate System with Coulomb Friction**
Steiner

10:40 **Efficient computation of surface-dominated structures using isogeometric elements**
Zimmermann – Sauer

S04.2 Tuesday, 24 | 16:30-18:30
Chair: Altenbach Leonardo Room

16:30 **Evaluation of a Finite Element Approach for Damping Determination**
Hentschel - Bonhage - Panning-von Scheidt - Wallaschek

16:50 **Modeling of non-stationary vibration signals based on the modified Kronecker sequences**
Girip - Munteanu

17:10 **A homotopy method for the eigenvalue analysis of circular saw blade with inner slits**
Luo - Schmidt - Gaul

17:30 **Meta-structures for Cloaking Bending Waves**
Gei - Colquitt - Brun - Movchan - Jones - Movchan

17:50 **Shrink fit with FGM-hub subject to heating and rotation**
Arslan - Mack

18:10 **A projection approach to optimal control of elastic beam dynamics**
Kostin

S04.3 Wednesday, 25 | 14:00-16:00
Chair: Klinkel Leonardo Room

14:00 **Energy-momentum conserving discretization of mixed shell elements for large deformation problems**
Janz - Betsch

14:40 **The Strong Formulation Finite Element Method Applied to Structural Mechanics Problems**
Tornabene - Fantuzzi - Bacciocchi - Viola

15:00 **Weighted overconstrained least-squares mixed finite elements for hyperelasticity**
Schwarz - Steeger - Schröder

15:20 **A stress-velocity least-squares mixed finite element formulation for incompressible elastodynamics.**
Nisters - Schwarz - Schröder

15:40 **Comparison of a mixed least-squares formulation using different approximation spaces**
Steeger - Schröder – Schwarz

S04.4 Wednesday, 25 | 16:30-18:30
Chair: Rammerstorfer Leonardo Room

16:30 **A surface oriented solid formulation based on a hybrid Galerkin-collocation method**
Klinkel - Chen - Dornisch

16:50 **Application of Discontinuous Galerkin Finite Element Method for Discontinuities in Small Deformation Regimes**
Bayat - Reese - Wulfinghoff

17:10 **A New Mixed Finite Element for the Analysis of Structures with Material and Geometric Nonlinearities**
Nodargi - Bisegna

17:30 **Discussion of the Particle Finite Element Method in the Context of Strength of Materials**
York Duran - Sator - Müller - Sabel

17:50 **Nonlinear SFEM with fluctacting input parameters**
Caylak - Dridger - Mahnken

18:10 **A high-order enrichment strategy for the finite cell method**
Joulaian – Düster

S04.5 Thursday, 26 | 09:00-11:00
Chair: Kaliske Leonardo Room

09:00 **An efficient and robust Reissner-Mindlin shell formulation for isogeometric analysis**
Dornisch - Müller - Klinkel

09:20 **Corotational flat triangular elements for the nonlinear analysis of thin shell structures**
Caselli - Bisegna

09:40 **Flexure Hinge Mechanisms Modeled by Nonlinear Euler-Bernoulli-Beams**
Friedrich - Lammering

10:00 **A layer-wise theory for the structural analysis of glass and photovoltaic laminates**
Naumenko - Altenbach - Eremeyev

10:20 **A user-defined element based on a layer-wise theory for laminated glasses and photovoltaic panels**
Eisenträger - Naumenko - Altenbach

10:40 **On a mathematical problem of cusped double-layered plates**
Chinchaladze

S04.6 Thursday, 26 | 16:30-18:30
Chair: Miehe Leonardo Room

16:30 **A membrane finite element formulation for woven fabrics using the generalized polyconvex hyperelastic model**
Khiêm - Jabareen - Itskov

16:50 **On the Mechanics of Ultralight Hollow Microlattices**
Eidel

17:10 **Mechanical Analysis of Metallic SLM-Lattices on Small Scales: Finite Element Simulations versus Experiments**
Didam - Eidel - Ohrndorf - Christ

17:30 **Investigation of elastoplastic effects of cables under large spatial deformation**
Dörlich - Diebels - Linn

17:50 **Determination of a Constitutive Friction Law Using an Elastic-Plastic Half-Space Model**
Beyer - Willner

18:10 **Application of fibre Bragg grating sensors for residual stress analysis**
Hannusch - Stockmann – Ihlemann

S04.7 Friday, 27 | 09:00-11:00
Chair: Balzani Leonardo Room

09:00 **Kink banding in laminated composite structures**
Völlmecke

09:20 **Interlaminar stress recovery for arbitrarily curved laminated shells**
Winkler - Haller - Gerstmayr

09:40 **Optimization of two-layered steel/aluminum hollow cylinders under combined load**
Apatay - Mack

10:00 **Experimental investigations on PP-PE foil specimens**
Sguazzo - Hartmann

10:20 **Stress concentration control in the problem of plane elasticity theory**
Odishelidze - Criado Aldeanueva - Criado

10:40 **Stress analyses of multi-layered composite pipes subjected to internal pressure**
Sülü – Temiz

S04.8 Friday, 27 | 11:30-13:30
Chair: Trovalusci Leonardo Room

11:30 **A model reduction approach for hyperelastic materials based on Proper Orthogonal Decomposition**
Hürkamp - Kaliske

11:50 **XFEM for Deformation Theory of Plasticity**
Omerović - Fries

12:10 **Advanced FE-analysis of metal-to-metal seals considering fluid pressure penetration at two scales**
Gorash - Dempster - Nicholls - Hamilton

12:30 **Investigations on clamping effects with Die-Less-Hydroforming-Structures**
Metzger - Ruff - Ummenhofer

12:50 **On one contact problem of plane elasticity theory with partially unknown boundary**
Tsintsadze - Odishelidze

13:10 **Frequency veering and mode degeneration of a rectangular disc**
Brouet - Twiefel - Wallaschek

S05: Nonlinear oscillations

S05.1 Tuesday, 24 | 09:00-11:00
Chair: von Wagner — Caravaggio 1 Room

09:00 **Rotordynamics of Two-Pole Turbo Generators with Refined Modelling of the Unbalanced Magnetic Pull**
Boy - Hetzler

09:20 **Stabilization of a rotating shaft by electromagnetic actuators**
Przybylowicz

09:40 **Stability and bifurcation behaviour of a Laval-Rotor considering fluid forces in compliant liquid seals**
Baeuerle - Hetzler

10:00 **Dynamic stability of composite rotating shafts with Brazier's nonlinearity**
Tylikowski - Starczewski

10:20 **Synchronization effects in rotors partly filled with fluid**
Keisenberg - Ostermeyer

10:40 **On the self-balancing of the planetary rotor**
Drozdetskaya – Fidlin

S05.2 Tuesday, 24 | 16:30-18:30
Chair: Hanss — Caravaggio 1 Room

16:30 **Control of Nonlinearly Coupled Oscillators Using a Method of Averaging**
Radisch - Kreuzer

16:50 **On some aspects of the dynamic behavior of the softening Duffing oscillator under harmonic excitation**
von Wagner - Lentz

17:10 **1:3-Resonance in a Hopf-Hopf bifurcation**
Steindl

17:30 **On the chaotic behavior of the non-ideal vibrating systems**
Chiroiu – Dumitriu

S05.3 Wednesday, 25 | 14:00-16:00
Chair: Hanss Caravaggio 1 Room

14:00 **Modeling and vibration analysis of rotors with hydrodynamic MF-film bearings**
Perek - Kurnik

14:20 **A DAE formulation for geared rotor dynamics including frictional contact between the teeth**
Jehle - Fidlin

14:40 **Adaptive fuzzy sliding mode controller and observer for a dive cell**
Bessa – Kreuzer - Krumm – Pick - Solowjow

15:00 **The Vibrational Behavior of Coupled Bladed Disks with Variable Rotional Speed**
Kaptan - Panning-von Scheidt - Wallaschek

15:20 **Multi-mode model of a piezomagnetoelastic energy harvester under random excitation**
Lentz - von Wagner

15:40 **Optimal impedance load of a bistable energy harvester**
Heymanns – Hagedorn

S05.4 Wednesday, 25 | 16:30-18:30
Chair: von Wagner Caravaggio 1 Room

16:30 **On vibrations in non linear, forced, friction-excited systems**
Stender - Tiedemann - Hoffmann

16:50 **A finite element model for a soft robot equipped with a flexible limb**
de Payrebrune - O'Reilly

17:10 **On the influence of vibrations on macroscopic frictional contacts**
Hammerschmidt - von Wagner

17:30 **On the Effect of Contact Compliance on Vibrational Smoothing of Dry Friction**

Kapelke - Seemann

S06: Material modelling in solid mechanics

S06.1 Tuesday, 24 | 09:00-11:00
Chair: Balzani - Ventura Tiziano Room

09:00 **A novel stabilization technique for X-FEM like enriched formulations**
Ventura - Rabino

09:40 **Automatic Implementation of Elasto-plastic Incremental Formulations at Finite Strains using Hyper-Dual Numbers**
Tanaka - Balzani - Schroeder

10:00 **Efficient time integration in multiplicative inelasticity**
Landgraf - Shutov - Ihlemann

10:20 **Towards a finite element simulation of coating by means of thermal spraying**
Berthelsen - Denzer - Menzel

10:40 **Modeling the moisture and temperature dependant material behavior of adhesive bonds**
Goldschmidt – Diebels

S06.2 Tuesday, 24 | 16:30-18:30
Chair: Hossain - Klinge Tiziano Room

16:30 **Determination of material parameters corresponding to viscoelastic curing polymers**
Klinge - Steinmann

17:10 **Towards modelling the curing process in particle-filled electro-active polymers**
Hossain - Steinmann

17:30 **FE-simulation of spatially graded gelation during adhesive's curing**
Rudolph - Ihlemann

17:50 **Characterisation of filled rubber with a pronounced nonlinear viscoelasticity**
Scheffer - Goldschmidt - Diebels

18:10 **A study on the influence of mechanical preconditioning on the fatigue behavior of rubber materials**
Krause – Juhre

S06.3 Wednesday, 25 | 14:00-16:00
Chair: Keip - Xu Tiziano Room

14:00 **On the generation of soft magneto-electric effects through Maxwell interactions**
Keip

14:40 **Numerical Aspects of Energy Relaxation-Based Magnetostriction Modeling**
Buckmann - Kiefer - Bartel - Menzel

15:00 **Computational homogenization in micromagnetics**
Sridhar - Keip - Miehe

15:20 **An atomistic scale analysis of ferroelectric nanodomain interfaces**
Endres - Steinmann

15:40 **Analysis of Micro- and Macro-Instability Phenomena in Computational Homogenization of Finite Electro-Statics**
Vallicotti – Miehe

S06.4 Wednesday, 25 | 16:30-18:30
Chair: Böhlke - Hartmann Tiziano Room

16:30 **Strain determination in full-field measurements using DIC**
Hartmann - Sguazzo

17:10 **Inverse Parameter Identification for Orthotropic Elasto-Plastic Sheet-Steel**
Soehngen - Willner

17:30 **Parameter Identification by Inverse Modelling of Biaxial Tensile Tests of Discontinous Fiber Reinforced Polymers**
Schemmann - Brylka - Kehrer - Müller - Böhlke

17:50 **The influence of a damping coefficient on a non-invasive strategy for inverse form-finding**
Landkammer - Steinmann

18:10 **Direct and Inverse Identification of Composites with Microstructure**
Yanakieva - Nikolov – Baltov

S06.5 Wednesday, 25 | 16:30-18:30
Chair: Gambarotta - Lammering Botticelli Room

16:30 **Modeling of Carbon Fiber Reinforced Plastics for Wave Propagation Analysis in Plates**
Lammering - Hennings

17:10 **The Inversion of Hutchinson's Flow Rule**
Kalisch - Bertram

17:30 **Shape control of piezolaminated thin-walled composite structures using nonlinear piezoelectric actuators**
Rao - Schröder - Tarun

17:50 **On the sonic composites with scatterers made from auxetic material**
Mosnegutu - Donescu

18:10 **Modeling of imperfect contact interfaces in sonic composites**
Munteanu – Brisan

S06.6 Thursday, 26 | 09:00-11:00
Chair: Bartel - Foti Tiziano Room

09:00 **Optimal bounds from below of the critical load for elastic solids subject to uniaxial compression**
Foti - Castellano - Fraddosio - Marzano - Piccioni

09:40 **Formation of microstructure in the plates under compression**
Nguyen - Le - Koster

10:00 **A micromechanical model for the transformation induced plasticity in poly-crystalline steels**
Waimann - Junker - Hackl

10:20 **A novel contribution to the relaxation of non-convex energy density functionals in the context of martensitic phase transformations**
Bartel - kiefer - Buckmann - Menzel

10:40 **Numerical Modeling of Functional Fatigue in NiTi Wires**
Osman - Bartel – Menzel

S06.7 Thursday, 26 | 09:00-11:00
Chair: Itskov Masaccio Room

09:00 **Constitutive modeling of fiber-reinforced aerogels**
Rege - Dargazany - Itskov

09:20 **Characterization of short fiber reinforced polymers**
Röhrig - Diebels

09:40 **On fast and accurate modelling of distributed fibre directions in composites**
Goldberg - Ihlemann

10:00 **Meso-macro modelling of fiber-reinforced composites exhibiting elastoplastic deformation**
Bedzra - Simon - Reese

10:20 **A simplified approach to calculate adhesive joints in multi-material structures**
Blech - Falkenberg - Langer - Vietor

10:40 **On the natural Fiber (Maize) Composite material**
Ilie – Chiroiu

S06.8 Thursday, 26 | 16:30-18:30
Chair: Mahnken - Mosler Tiziano Room

16:30 **On the variational formulation and implementation of Allen-Cahn- and Cahn-Hilliard-type phase field theories**
Bartels - Mosler

16:50 **A coupled phase-field - Cahn-Hilliard model for lower bainitic transformation**
Düsing - Mahnken

17:10 **Martensitic Transformations and Damage: A Combined Phase Field Approach**
Schmitt - Kuhn - Mueller

17:30 **Phase-field modeling of martensitic phase transformations in polycrystals coupled with crystal plasticity**
Kochmann - Wulfinghoff - Reese - Svendsen

17:50 **Phase Field Modeling of Ductile Fracture**
Aldakheel - Raina - Miehe

18:10 **Simulation of micro cutting considering crystal plastic deformations**
Lohkamp - Schneider - Aurich - Kuhn – Müller

S06.9 Friday, 27 | 09:00-11:00
Chair: Bertram - Hackl Tiziano Room

09:00 **Finite Gradient Elastoplasticity with Internal Constraints**
Bertram - Glüge

09:40 **Equivalent Plastic Strain Gradient Theory with a Grain Boundary Yield Condition**
Prahs - Bayerschen - Böhlke

10:00 **A Hardening Model based on a Finite-Deformation Gradient Crystal Plasticity Description: Formulation and Numerical Implementation**
Pouriayevali - Xu

10:20 **Comparison of micromorphic, micropolar and microstrain continua**
Leismann - Mahnken

10:40 **A variational viscosity-limit approach to the evolution of microstructures in finite crystal plasticity**
Günther - Junker – Hackl

S06.10 Friday, 27 | 09:00-11:00
Chair: Ehret - Juhre Leandro 2 Room

09:00 **A link between the molecular statistical theory and Ogden's model of rubber elasticity**
Ehret

09:40 **Primary and secondary instabilities in soft bilayered systems**
Budday - Andres - Steinmann - Kuhl

10:00 **A physically motivated model for filled elastomers including strain rate and amplitude dependency in finite viscoelasticity**
Juhre - Raghunath - Klüppel

10:20 **Phenomenological modelling for viscohyperelasticity: How to find suitable evolution laws in order to extend hyperelastic models?**
Kröger - Juhre

10:40 **Thermoplastics under Long-Term Loading: Experiments and Viscoelastic-Viscoplastic Modeling**
Zerbe - Schneider - Moosbrugger – Kaliske

S06.11 Friday, 27 | 11:30-13:30
Chair: Diebels Tiziano Room

11:30 **Modeling Dynamic Recrystallization in Polycrystalline Materials via Probability Distribution Functions**
Nguyen - Isfahani - Hackl - Renner

11:50 **Chiral acoustic metamaterials: dispersive waves and low frequency band-gaps**
Gambarotta - Bacigalupo

12:10 **Modelling Thermoplastic Material Behaviour of Dual-Phase Steels on a Microscopic Length Scale**
Zeller - Löhnert - Wriggers

12:30 **Experimental and numerical characterization of the mechanical properties of Ni/Al hybrid metal foams from the atomic to the microscale**
Chen - Jung - Heinze - Duester - Diebels

12:50 **Numerical analysis of Ni/Al hybrid metal foams using the finite cell method**
Heinze - Jung - Chen - Diebels – Düster

13:10 **Mathematical problems in the theory of elasticity for materials with double porosity**
Svanadze

S06.12 Friday, 27 | 11:30-13:30
Chair: Le Leandro 2 Room

11:30 **Formation of grain boundaries in ductile single crystals at simple shear**
Koster - Le - Nguyen

11:50 **Finite Element Simulation of the creep behavior of directionally solidified NiAl-9Mo**
Albiez - Böhlke

12:10 **Direct connection of rheological elements at large strains: Application to multiplicative viscoplasticity**
Kießling - Landgraf - Ihlemann

12:30 **On the thermodynamics of pseudo-elastic material models which reproduce stress softening effects**
Naumann - Ihlemann

12:50 **An Intrinsic Geometric Formulation of the Equilibrium Equations in Continuum Mechanics**
Eugster

13:10 **The perturbation method applied to tube drawing with floating plug**
Ioan - Ioan

S07: Coupled problems

S07.1 Tuesday, 24 | 09:00-11:00
Chair: Xu Raffaello Room

09:00 **Thermo-mechanical modelling of cellular ceramic composites by a multiphase approach of porous media**
Jung - Diebels

09:20 **Thermo-mechanical computation of inelastic pavement structures under rolling tire loads**
Wollny - Hartung - Kaliske

09:40 **Shock structure for macroscopic multi-temperature model of binary mixtures: comparison with kinetic models**
Madjarevic

10:00 **Efficient Simulation of the Heat Flux Input in Moving Contacts**
Partzsch - Beitelschmidt

10:20 **Simulation of ice under mechanical and thermal load**
Urban - Beitelschmidt

10:40 **Reduction Approaches for Thermogasdynamic Lubrication Problems**
Mahner - Lehn – Schweizer

S07.2 Tuesday, 24 | 16:30-18:30
Chair: Mueller Raffaello Room

16:30 **A phase-field theory for fracture in porous media**
Luo - Ehlers

16:50 **Isogeometric Analysis of Mechanically Coupled Phase Segregation in Li-Ion Battery Electrode Particles**
Zhao - Stein - Xu

17:10 **Eulerian large deformation formulation coupled with phase-field**
Borukhovich - Steinbach

17:30 **A continuummechanical bi-phasic, two-scale model for thermal driven phase transition during solidification**
Moj - Ricken - Steinbach

17:50 **Formability enhancement in deformed AZ31 magnesium sheets via texture evolution: experiments and phase-field study**
Darvishi Kamachali - Kim – Steinbach

S07.3 Wednesday, 25 | 14:00-16:00
Chair: Kiefer Raffaello Room

14:00 **Isogeometric Analysis of size-dependent behavior of Li-ion battery electrode particles**
Stein - Xu

14:20 **Variational Principles and Stability of Diffusion in Hydrogels**
Nateghi - Miehe - Mauthe

14:40 **Modeling of electrodynamic-mechanical coupling phenomena in smart magnetoelectroelastic materials**
Merkel - Ricoeur

15:00 **Modeling of the Crosstalk Phenomenon by the Non-Stationary Maxwell Equations Coupled with the Circuit Equations**
Niroomand Rad - Steinbrecher

15:20 **Velocity vector field optimization in bioventing**
Notarnicola

S07.4 Wednesday, 25 | 16:30-18:30
Chair: Sauer Raffaello Room

16:30 **A constitutive and damage model for high cycle fatigue of tetragonal ferroelectrics**
Lange - Ricoeur

16:50 **Phase field simulation on mechanically coupled switching dynamics in nanomagnets**
Yi - Xu

17:10 **The electrocaloric effect in ferroelectrics: nonlinear modeling and simulation**
Wingen - Ricoeur

17:30 **Nonlinear numerical simulation of ferroelectric-ferromagnetic multifunctional composites**
Avakian - Ricoeur

17:50 **Intrinsic symmetries in constitutive modeling of magneto-elastic materials**
Dobovsek

S07.5 Thursday, 26 | 09:00-11:00
Chair: Jung Raffaello Room

09:00 **Correction of Characteristics of Subsystems of Torsionally Vibrating Complex Mechatronic Systems as Introduction to Solution of Their Inverse Task**
Buchacz

09:20 **Modeling a Halfspace with Tunnel using a Coupled Integral Transform Method - Finite Element Method Approach**
Hackenberg - Müller

09:40 **Fluid-Porous-Media Interaction: A Decoupled Solution Algorithm via Localised Lagrange Multipliers**
Zinatbakhsh - Koch - Ehlers

10:00 **Simulation of vortex-induced oscillations within a shear-thinning liquid**
Gundlach - Schlosser - Wünsch

10:20 **A numerical approach to the dynamics analysis of mooring lines**
Stabile - Borri – Matthies

S07.6 Thursday, 26 | 16:30-18:30
Chair: Stein Raffaello Room

16:30 **Critical velocities for flow induced vibrations of a U-shaped belt**
Strecha - Steinrück

16:50 **Hydroelastic stability of multi-plate structures interacting with flowing fluid**
Lekomtsev - Bochkarev - Matveenko

17:10 **Validation with Numerical Simulations of a Simplified Model of a Hybrid Rocket Motor**
Frunzulica - Stoia-Djeska

17:30 **Thermodynamically consistent description of mass transfer in a porous medium by a singular surface**
Häberle - Ehlers

17:50 **A coupled multiphasic description of biological methane oxidation in landfill cover layers**
Thom - Ricken - Bluhm - Gehrke – Denecke

S07.7 Friday, 27 | 09:00-11:00
Chair: Ricoeur Raffaello Room

09:00 **Modeling, Simulation and Parameter Identification for Rate-Dependent Magnetoactive Polymer Response**
Kiefer - Haldar - Menzel

09:40 **On electrostatic-viscoelastic simulation of dielectric actuators**
Schlögl - Leyendecker

10:00 **Microscopic modeling and finite element simulation of magnetorheological elastomers**
Metsch - Spieler - Kästner

10:20 **Harvesting energy with a cone-type dielectric elastomer generator**
Bortot - Gei

10:40 **Modeling of thermo-electro-mechanical coupling effects in ionic electroactive polymers within the Theory of Porous Media**
Serdas - Bluhm – Schröder

S07.8 Friday, 27 | 11:30-13:30
Chair: Ricken Raffaello Room

11:30 **Deformation and interaction of surface energy driven systems**
Sauer - Duong

12:10 **Parallel solution of volumetrically coupled multi-field problems using an Abaqus-PANDAS software interface**
Schenke - Ehlers

12:30 **Application and modification of the POD Method and the POD-DEIM for model reduction in porous-media simulations**
Fink - Ehlers

12:50 **NURBS-based Approaches in Fluid Flow Simulations**
Elgeti - Stavrev - Hosters - Behr

13:10 **Numerical Approaches towards Plasticity**
Schröder - Kuhl

S08: Multiscales and homogenization

S08.1 Thursday, 26 | 09:00-11:00
Chair: Boso Giotto Room

09:00 **A two scale phase field model for elastic shape optimization**
Tölkes

09:20 **Study on Statistically Similar RVEs for real microstructures based on different statistical descriptors**
Scheunemann - Balzani - Brands - Schröder

09:40 **Polynomial shape functions on the logarithmic space: the LogFE method**
Schröppel - Wackerfuß

10:00 **Convergence Properties of GMRES for FFT-based Galerkin Homogenization of Periodic Media**
Mishra - Vond\v{r}ejc - Zeman

10:20 **A two-scale homogenisation approach for fluid saturated porous media**
Bartel - Ricken - Schröder

10:40 **An Extended Cascade Micromechanics Model for the Effective Diffusivity of Porous Materials accounting for Pore-Size Distribution**
Timothy – Meschke

S08.2 Thursday, 26 | 16:30-18:30
Chair: Loehnert Giotto Room

16:30 **Grain-scale-based simulation of granular material**
Bidier - Ehlers

16:50 **Materials design of elastic properties of multiphase polycrystalline composites using model functions**
Lobos - Yuzbasioglu - Böhlke

17:10 **A coupled two-scale shell model for comb-like sandwich structures**
Heller - Gruttmann

17:30 **Dual-Phase Steel Simulations Based on Representative Three-Dimensional Microstructures**
Brands - Balzani - Scheunemann - Schröder

17:50 **Computational characterization of magneto-electric composites: the role of ferroelectric pre-polarization**
Labusch - Schröder - Lupascu - Keip

18:10 **Electro- and Magneto-active Soft Composites with Periodic and Random Microstructures**
Rudykh

S08.3 Friday, 27 | 09:00-11:00
Chair: Sauer Giotto Room

09:00 **Multi-scale modeling of beam-like structures: A new boundary condition concept for the RVE**
Klarmann - Gruttmann

09:20 **Micromechanical modeling of textile materials by means of 1-D strcutural elements**
Mehnert - Fillep - Mergheim - Steinmann

09:40 **Experimental investigation and approximation of the temperature-dependent stiffness of short-fibre reinforced polymers**
Kehrer - Müller - Brylka - Böhlke

10:00 **Coupling atomistic and continuum models with nodes having translational and rotational degrees of freedom**
Niederhöfer - Wackerfuß

10:20 **Representative Volume Element Size Convergence for a Parallel Fiber Bundle Micro-Model**
Stapleton - Appel – Reese

S08.4 Friday, 27 | 11:30-13:30
Chair: Loehnert Giotto Room

11:30 **Comparison of the Interface Orientation Distribution Average to RVE simulations**
Glüge - Kalisch

11:50 **Continuum modeling of material interfaces and surfaces based on molecular statics computations**
Sievers - Mosler

12:10 **A multiscale contact homogenization approach for hysteresis friction of rubber on rough surfaces**
Wagner - Wriggers - Klapproth - Prange

12:30 **Reduced order nonlinear homogenization of composites with cohesive interfaces**
Fritzen - Leuschner

12:50 **Use of Gurtin-Murdoch model in predicting effective properties of nano-composites with application to nanoporous gold**
Nazarenko - Bargmann - Stolarski

S09: Flows and transition

S09.1 Tuesday, 24 | 09:00-11:00
Chair: Robinet Small Tiziano Room

09:00 **Stability analysis of the flow past miniature vortex generators in a Blasius boundary layer**
Siconolfi - Camarri - Fransson

09:40 **P-norm optimal 3D perturbations in the Poiseuille flow**
Farano - Cherubini - Robinet - De Palma

10:00 **Unified description of bifurcation processes associated with laminar boundary-layer separation**
Kluwick - Braun

10:20 **Investigation of the roughness-induced transition: linear and non-linear optimal perturbations**
Cherubini - Loiseau - De Palma - Robinet

10:40 **Extreme event detection in near-wall turbulence using reflection-encoded readout of micropillar arrays**
Bruecker - Hegner - Mikulich - Axtmann – Rist

S09.2 Tuesday, 24 | 16:30-18:30
Chair: Brücker Small Tiziano Room

16:30 **Spreading of Linear Disturbances in Boundary Layers at Mach Number Five and the Effect of Wall Cooling**
Jocksch - Kleiser

17:10 **Receptivity and non-uniqueness of turbulent boundary layer flows**
Scheichl

17:50 **Axisymmetric flow over a sudden expansion in an annular pipe**
Beladi - Kuhlmann

18:10 **The Clebsch transformation and its capabilities towards fluid and solid mechanics**
Scholle - Marner

18:30 **Potential theory application to superfluidic multiphase flows**
Brazaluk

S10: Turbulence and reactive flows

S10.1 Tuesday, 24 | 09:00-11:00
Chair: Pitsch Caravaggio 3 Room

09:00 **On the universality of small-scale statistics in turbulence**
Schumacher

09:40 **Scaling in turbulent canonical flows - a ubiquitous property of all moments?**
Oberlack - Rosteck - Avsarkisov - Mehdizadeh - Hoyas - Waclawczyk

10:00 **NOx formation in premixed flames: a direct numerical simulation study**
Pitsch - Trisjono - Gibelhaus

10:20 **High-resolution LES of the Cambridge Stratified Flame**
Kempf - Proch - Domingo - Vervisch

10:40 **A Flamelet Progress Variable model for compressible reacting flows**
Coclite - Pascazio - De Palma

S10.2 Tuesday, 24 | 16:30-18:30
Chair: Kempf Caravaggio 3 Room

16:30 **Assessment of subgrid-scale models for large-eddy simulation of complex flows**
Nicoud - Baya Toda - Truffin - Bruneaux - Cabrit

17:10 **Assessment of non-linear *k-ε* turbulence models for the prediction of wind flow around isolated buildings and multiple obstacles**
Parente - Moonens

17:30 **Simulation of wake effects in windfarms using an Actuator Disk implementation**
Hornung - Class - Viellieber

17:50 **Numerical Simulation of Continuous and Pulsed Film Cooling at the leading edge of a symmetrical turbine blade**
Nemdili - Azzi - Dellil

18:10 **Coarse-Grid-CFD for the Thermal Hydraulic Investigation of Rod-**

Bundles
Viellieber – Class

S10.3 Thursday, 26 | 16:30-18:30
Chair: Salvetti Leandro 3 Room

16:30 **Particles in Turbulence: Macro- Consequences from Micro- Interactions**
Soldati

17:10 **An efficient numerical method for fully resolved particle simulations on high-performance computers**
Schneiders - Grimmen - Meinke - Schröder

17:30 **A stochastic SGS model for Lagrangian particle tracking in large-eddy simulation velocity fields**
Salvetti - Innocenti - Chibbaro - Marchioli - Soldati

17:50 **Budget analysis of the kinetic energy for bubbly flows**
Santarelli - Roussel - Fröhlich

18:10 **Asymptotic solutions of an extended Korteweg-de Vries equation describing solitary waves with weak and strong downstream decay in turbulent open-channel flow**
Müllner – Schneider

S10.4 Friday, 27 | 09:00-11:00
Chair: Salvetti Leandro 3 Room

09:00 **Recent results in isotropic turbulence decay theory**
Sagaut - Meldi - Mons

09:40 **Numerical simulation of dense gas compressible homogeneous isotropic turbulence**
Sciacovelli - Cinnella

10:00 **High Reynolds number effects on turbulent scalings in compressible channel flow**
Modesti - Pirozzoli - Bernardini

10:20 **Effect of outer stratification inside the inner region of a convective**

boundary layer
Mellado - Garcia - van Heerwaarden

10:40 **Reynolds-analogy factor and new formulations for the temperature defect law for turbulent boundary layers on a plate**
Vigdorovich

S10.5 Friday, 27 | 11:30-13:30
Chair: Kempf Leandro 3 Room

11:30 **Experimental and numerical studies of active and passive control of combustion instabilities**
Poinsot - Bauerheim - Staffelbach - Gicquel

12:10 **LES of high-frequency transverse combustion instabilities in complex combustion chambers**
Ghani - Poinsot - Maestro - Gicquel

12:30 **Ignition and mixing in shock-bubble interaction with chemical reactions**
Diegelmann - Tritschler - Hickel - Adams

12:50 **Large-eddy simulations of controlled wake flows using a penalty model of synthetic micro-jet**
Peres - Pasquetti

13:10 **Computational Aeroacoustics of Subsonic and Supersonic Impinging Jets**
Sesterhenn - Wilke

S11: Interfacial flows

S11.1 Wednesday, 25 | 14:00-16:00
Chair: Marchioli Small Tiziano Room

14:00 **Simulating Free-Surface Flows with Moving Boundaries: A Combination of an Interface-Tracking and an Interface-Capturing Approach**
Frings - Behr - Elgeti

14:20 **Towards higher-order XFEM for interfacial flows**
Fries

14:40 **Numerical Modelling of Laser-Induced Cavitation Bubbles with a Finite Volume Method**
Lechner - Reuter - Mettin - Lauterborn - Koch - Köhler

15:00 **A comparison of viscoelastic and empirical rheological models in context of squeeze flows**
Descher - Wünsch

15:20 **On the implementation of free-slip interfaces for the immersed boundary method**
Kempe – Fröhlich

S11.2 Wednesday, 25 | 16:30-18:30
Chair: Brenner Small Tiziano Room

16:30 **Linear stability of a thin non-isothermal droplet spreading on a rotating disk**
Boettcher - Externbrink

16:50 **A circulating gravity wave in a cylindrical tank**
Steinrück

17:10 **Experiments beyond the limits of Nusselt theory: The linear stability of gravity-driven films over undulated inclines**
Schörner - Reck - Aksel

17:30 **Continuous size-dependent separation of blood components from human whole blood samples in microfluidic spirals**
Sprenger - Dutz - Schneider - Odenbach - Häfeli

17:50 **Modeling and simulation of mobile jet agitator for a biogas plant**
Alimi – Wünsch

S11.3 Thursday, 26 | 09:00-11:00
Chair: Marchioli Small Tiziano Room

09:00 **Interaction of a finite-size particle with a wall**
Romanò - Kuhlmann

09:20 **The magnetoviscous effect of a biocompatible ferrofluid diluted in sheep blood**
Nowak - Odenbach

09:40 **The anisotropy of the magnetoviscous effect in a magnetite ferrofluid with weak interparticle interactions**
Linke - Odenbach

10:00 **An innovative phase transition modeling for reproducing cavitation through a five-equation and seven-equation models and complex equation of state**
Rodio - Congedo - Abgrall

10:20 **Numerical investigation of a liquid displacing a gas in thin porous layers**
Neumann - Boettcher - Gödeke - Ehrhard

10:40 **Mechanisms for wave generation in countercurrent air-water turbulent flows**
Zonta - Onorato – Soldati

S11.4 Thursday, 26 | 16:30-18:30
Chair: Brenner Small Tiziano Room

16:30 **Diffuse interface models for locally inextensible vesicles**
Aland - Lowengrub - Voigt

16:50 **Polymer Devolatilization in a Rotating Apparatus**
Hirschfeld - Hermann - Wünsch

17:10 **Gas Bubbles in Micro-Capillaries - Hydrodynamics and Mass Transfer**
Lakshmanan - Ehrhard

17:30 **Simulation of mass transfer at free liquid/liquid interfaces**
Heckmann - Ehrhard - Lakshmanan

17:50 **Three-phase contact line pinning at structured surfaces by molecular dynamics simulation**
Horsch - Becker - Kohns - Hasse

18:10 **New density based OpenFOAM solver with a stochastic fields approach for two phase flow**
Ranft - Class - Jordan

S12: Waves and acoustics

S12.1 Tuesday, 24 | 09:00-11:00
Chair: Sesterhenn Donatello Room

09:00 **Propagation of acoustic waves in a turbulent boundary layer**
Gloerfelt

09:40 **Non-destructive testing of porous media by means of sound wave analysis**
Albers

10:00 **Calculation of the effective speed of sound in corrugated pipes by multiple scales**
Russo - Fabre - Giannetti - Luchini

10:20 **Numerical Calculation of Acoustic Sources for the Landing Gear of Aeroplane during Take-off and Landing**
Rasuo - Jazarevic

10:40 **Forward and Inverse Viscoacoustic Modelling in a Tunnel Environment**
Musayev - Hackl – Baitsch

S12.2 Tuesday, 24 | 16:30-18:30
Chair: Manhart Donatello Room

16:30 **On numerical simulation of tsunami run-up on shore**
Shokina

16:50 **Potential flow simulations of Peregrine-type deep water surface gravity wave packets**
Wenzel - Bünte - Hoffmann

17:10 **Application of variational-asymptotic method to modulation theory**
Nguyen - Le

17:30 **A novel approach to mode - tracing in SBFEM - Simulations: Higher-order Taylor- and Padeapproximation**
Krome - Gravenkamp

17:50 **Numerical modeling of a sub-sonic roll-over load along a rods skin**
Weber - Zastrau - Löpitz - Balzani

S14: Applied analysis

S14.1 Tuesday, 24 | 09:00-11:00
Chair: Abels Caravaggio 4 Room

09:00 **Weak solution to certain problem in fluid mechanics**
Feireisl

09:40 **A low volume-fraction limit for martensic microstructures in shape-memory alloys**
Diermeier

10:00 **Homogenization of layered structures with rigid components in single-slip finite elastoplasticity**
Christowiak - Kreisbeck

10:20 **Homogenization for dislocation based gradient visco-plasticity**
Nesenenko

10:40 **On the use of potential fields in fluid mechanics**
Marner – Scholle

S14.2 Thursday, 26 | 09:00-11:00
Chair: Rossi Caravaggio 4 Room

09:00 **Well-Posedness and Stability for some Volume-Preserving Curvature Flows with Boundary Contact or Triple Junctions**
Abels - Arab - Garcke - Müller

09:40 **Nonlocal Cahn-Hilliard equation with a reaction term**
Melchionna - Rocca

10:00 **Well-posedness and optimal control of Allen-Cahn type equations with singular potentials and dynamic boundary conditions**
Calatroni - Colli

10:20 **Relaxation in nonlinear elasticity with constraints on the determinant**
Dolzman - Conti

10:40 **A Linear Scale-Space Theory for Continuous Nonlocal Evolutions**
Cárdenas - Weickert – Schaeffer

S14.3 Thursday, 26 | 16:30-18:30
Chair: Thomas Caravaggio 4 Room

16:30 **Rate-independent systems with viscosity and inertia -- Evolutionary Gamma-convergence**
Thomas - Rossi

17:10 **Analysis of a gradient enhanced damage model**
Susu - Meyer

17:30 **Mixed-growth plasticity and generalized rigidity**
Ginster

S14.4 Friday, 27 | 09:00-11:00
Chair: Feireisl Caravaggio 4 Room

09:00 **New results on Cahn-Hilliard-Navier-Stokes systems with nonlocal interactions**
Frigeri

09:40 **Wulff shape and isoperimetric characterization of crystals**
Piovano

10:00 **Effective Maxwell equations in a geometry with flat rings of arbitrary shape**
Lamacz - Schweizer

10:20 **A line-tension energy for dislocation networks on several slip planes**
Gladbach

S15: Applied stochastics

S15.1 Tuesday, 24 | 09:00-11:00
Chair: Bucher Giotto Room

09:00 **Efficient Bayesian analysis of rare events in numerical models**
Straub - Betz - Papaioannou

09:20 **Polynomial chaos approach for tuned bladed rotors with geometric modification**
Koebelé-Cousquer - Proppe

09:40 **Damage models described by uncertain parameters**
Sarfaraz - Matthies

10:00 **Uncertainty quantification for linear elastic bodies with fluctuating input parameters**
Dridger - Caylak - Mahnken

10:20 **Probabilistic Sensitivities for Fatigue Using Adjoint Methods**
Saadi

10:40 **Irreversible material behaviour under presence of uncertainty**
Rosic – Matthies

S15.2 Tuesday, 24 | 16:30-18:30
Chair: Di Paola Giotto Room

16:30 **Jump Phenomena and Bifurcations in Stochastic Vehicle-Road Dynamics**
Wedig

17:10 **Regional Frequency Analysis of extreme rainfall events in Tuscany (Italy)**
Chiarello - Caporali - Matthies

17:30 **On Gaussian approximation of the strength of Daniels' bundle with brittle Weibull fibers**
Sadilek - Vorechovsky

17:50 **Best practice in metamodeling for data derived from civil engineering applications**
Steiner - Lahmer

18:10 **Asymptotic sampling - a tool for efficient reliability computation in high dimensions**
Bucher

S15.3 Wednesday, 25 | 14:00-16:00
Chair: Cinnella Giotto Room

14:00 **Polynomial Chaos and the Heave Motion of a Cylinder in Random Seas**
Solowjow - Kreuzer

14:20 **Stochastic quantification of the impact of uncertainty in inlet conditions on the aerodynamics of a 5:1 rectangular cylinder**
Mariotti - Salvetti - Shoeibi Omrani - Witteveen

14:40 **A Bayesian approach for the quantification of parametric and model-form uncertainties in dense-gas flow models**
Merle - Cinnella

15:00 **Investigation of cavitation and turbulence models uncertainties for cavitating flows**
Congedo - Rodio - Goncalves

15:20 **Influence of Uncertainties of the Aerodynamical Parameters on the Simulation Model for a Civil Aircraft with Active High Lift System**
Friedman - Diekmann - Matthies

15:40 **Stochastic quantification of the effects of inlet velocity conditions on the dynamics of spatially evolving mixing layers**
Meldi - Sagaut – Salvetti

S15.4 Wednesday, 25 | 16:30-18:30
Chair: Straub Giotto Room

16:30 **Solution of the First passage problem by Path Integration for normal, Poissonian, and alpha-stable white noise**
Di Paola - Pirrotta - Bucher

17:10 **Adaptation and Enhancement of Generalized Polynomial Chaos for Industrial Applications**

Glaser - Petridis - Heuveline

S16: Optimization

S16.1 Tuesday, 24 | 09:00-11:00
Chair: Congedo Caravaggio 2 Room

09:00 **Construction of a Magnet as an Absolute Positioning Scale**
Mojsic - Sokol - Ludszuweit - Fügenschuh

09:20 **Control of water reservoirs aeration process**
Abdelwahed

09:40 **Virtual Process Design in Combined Electromagnetic-Classical Forming Processes: Optimization of Current Parameters**
Rozgic - Kiliclar - Stiemer - Reese

10:00 **Methods with Successive and Parallel Approximations of Inverse Operator for the Nonlinear Least Squares Problem**
Iakymchuk – Shakhno

S16.2 Tuesday, 24 | 16:30-18:30
Chair: Schmidt Caravaggio 2 Room

16:30 **Geometry Optimization of Branched Sheet Metal Structures with a Globalization Strategy by Adaptive Cubic Regularization**
Göllner - Ulbrich

17:10 **Multidimensional parametrization of microcells in two scale optimization with sparse grid interpolation**
Hübner - Stingl

17:30 **A staggered approach to structural shape and topology optimization**
Riehl - Steinmann

17:50 **On curvature control in node–based shape optimization**
Schmitt - Steinmann

18:10 **Optimizing Extrusion Dies with Profile Shape as an Objective Function**
Siegbert - Behr – Elgeti

S16.3 Wednesday, 25 | 14:00-16:00
Chair: Schmidt Caravaggio 2 Room

14:00 **Robust optimization of trusses under dynamic loads via nonlinear semidefinite programming**
Kuttich - Ulbrich

14:40 **About the design of morphing airfoils under uncertainties**
Fusi - Quaranta - Guardone - Congedo

15:00 **Robust Design using classical optimization**
Erschen - Zimmermann

15:20 **Optimization of the double sided spiral groove thrust bearing: A comparison to approximate analytical solutions**
Lehn - Schweizer

15:40 **Multi-criteria optimisation of the vibro-isolation properties**
Krzyżyński - Maciejewski

S17: Applied and numerical linear algebra

S17.1 Wednesday, 25 | 14:00-16:00
Chair: Guettel Caravaggio 3 Room

14:00 **Designing rational filter functions for solving eigenvalue problems by contour integration**
Van Barel

14:40 **Parallel Bidiagonal SVD via the Method of Multiple Relatively Robust Representations**
Winkelmann - Bientinesi

15:00 **A Hessenberg reduction algorithm for diagonal plus low rank matrices**
Robol - Bini

15:20 **An extended Hessenberg form for Hamiltonian matrices**
Ferranti - Iannazzo - Mach - Vandebril

15:40 **Rank--revealing decomposition via block anti--triangular factorization**
Mastronardi - Van Dooren

S17.2 Wednesday, 25 | 16:30-18:30
Chair: Mastronardi Caravaggio 3 Room

16:30 **On complex *J*-symmetric eigenproblems**
Fassbender - Yang - Benner

17:10 **Nonlinear eigenvalue problem expressed in Hermite basis**
Shayanfar - Fassbender

17:30 **Backward error of polynomial eigenvalue problems solved by linearization**
Lawrence - Van Barel - Van Dooren

17:50 **IgA vs. FEA in the Spectral Approximation: Symbol-Based Analysis**
Garoni - Hughes - Manni - Reali - Serra-Capizzano - Speleers

18:10 **How to compute efficiently the Markovian Joint Spectral Radius?**
Cicone - Guglielmi – Protasov

S17.3 Thursday, 26 | 16:30-18:30
Chair: Mastronardi Masaccio Room

16:30 **On Krylov subspace methods for the time-fractional Schrödinger equation**
Popolizio - Garrappa - Moret

16:50 **Stability-Preserving Parametric Model Reduction by Matrix Interpolation using Invariance Properties of Krylov Subspaces**
Barthlen - Lang

17:10 **Comparison of polynomial Krylov methods with limited memory consumption for approximating Stieltjes matrix functions**
Schweitzer - Güttel

17:30 **Orthogonal projection vs. Oblique projection in Krylov subspace recycling**
Bozovic - Bolten - Frommer

17:50 **A new approach for preconditioning discontinuous Galerkin discretizations**
Hajian - Gander

18:10 **Rational least squares approximation via RKFIT**
Güttel – Berljafa

S17.4 Friday, 27 | 09:00-11:00
Chair: Serra Capizzano Masaccio Room

09:00 **A fast nonstationary preconditioning strategy for ill-posed problems, with application to image deblurring**
Donatelli

09:40 **Iterated fractional Tikhonov regularization**
Bianchi - Buccini - Donatelli - Serra-Capizzano

10:00 **Spectral behavior of preconditioned non-Hermitian multilevel block Toeplitz matrices with matrix-valued symbol**
Sesana - Donatelli - Garoni - Mazza - Serra-Capizzano

10:20 **Local Fourier Analysis of Pattern Structured Operators**
Rittich - Bolten - Kahl

10:40 **Fast Recovery and Approximation of Hidden Cauchy Structure**
Luce – Liesen

S17.5 Friday, 27 | 11:30-13:30
Chair: Serra Capizzano Masaccio Room

11:30 **Parallel Tensor Sampling**
Grasedyck - Loebbert

12:10 **Multigrid methods for tensor structured problems**
Sokolovic - Bolten - Kahl

12:30 **Hierarchical tensor approximation of parameter-dependent PDEs**
Ballani

12:50 **On the block and global methods for linear systems with multiple right hand sides**
Rashedi - Frommer - Ebadi

S18: Numerical methods for differential equations

S18.1 Wednesday, 25 | 14:00-16:00
Chair: Munz Botticelli Room

14:00 **Well-Balanced, Entropy Stable Discontinuous Galerkin Spectral Element Method for the Shallow Water Equations**
Winters - Gassner

14:40 **An Enhanced Time-Discontinuous Galerkin Method for Rotating Geometries such as Artificial Blood Pumps**
Hassler - Pauli - Behr

15:00 **A posteriori error estimates for IMEX schemes**
Giesselmann

15:20 **Well balanced ALE: on time dependent mesh adaptation for Shallow Water flow**
Arpaia - Ricchiuto

15:40 **Computation of state variables of one-dimensional non-stationary pipe flow at orifices on pipe ends**
Niessner

S18.2 Thursday, 26 | 09:00-11:00
Chair: Rohde Caravaggio 1 Room

09:00 **An adaptive space-time discontinuous Galerkin method for Maxwell's equations**
Wieners - Findeisen - Dörfler

09:40 **Tracking-Type Finite-Volume Schemes for Phase Transition Problems**
Wiebe

10:00 **Coupling Surface and Subsurface Flows**
Magiera

10:20 **Multigrid preconditioning for time-periodic Navier--Stokes problem**
Hupp - Obrist - Arbenz

10:40 **Online Parameter Identification for Traffic Simulation via Lagrangian Sensing**
Thonhofer – Jakubek

S18.3 Thursday, 26 | 16:30-18:30
Chair: Munz Caravaggio 1 Room

16:30 **Robust Identification of Parametric Radiation Force Models via Impulse Response Fitting**
Hatecke - Krüger

16:50 **Numerical simulation for wine fermentation based on IDEs**
Schenk - Schulz

17:10 **Improving real-time capability of linearly-implicit solvers using structural information**
Loderer - Bertsch - Heuveline

17:30 **Interpolatory Model Reduction for Quadratic Bilinear Descriptor Systems**
Ahmad - Feng - Benner

17:50 **A joint IMEX-MOR approach for Water Networks**
Jansen - Grundel

18:10 **Upwind Based Parameter Uniform Convergence Analysis for Two Parametric Parabolic Convection Diffusion Problems by Moving Mesh Methods**
Das – Mehrmann

S18.4 Friday, 27 | 09:00-11:00
Chair: Wieners Caravaggio 1 Room

09:00 **Adaptive FEM with goal-oriented error estimation and an approximation of the dual problem for inelastic problems**
Widany - Mahnken

09:20 **An Adaptive Local Basis for Elliptic Problems with Complicated Discontinuous Coefficients**
Weymuth - Sauter

09:40 **Error measurement and enhanced FEM for phase field modeling**
Muench

10:00 **Interior penalty finite element methods for high-order local boundary conditions**
Schmidt - Diaz - Heier

10:20 **Generalized approximated regular boundary element method**
Yevdokymov

10:40 **Boundary element application to non-linear boundary integral equations**
Poliakov

S18.5 Friday, 27 | 11:30-13:30
Chair: Rohde Caravaggio 1 Room

11:30 **Boltzmann collision operator: How to model rotational invariance**
Babovsky

12:10 **Fully-Implicit Log-Conformation Formulation of Viscoelastic Constitutive Laws**
Knechtges - Behr - Elgeti

12:30 **Approximate exponential time integration for diffusion problems**
Sun - Manhart

12:50 **On multi-dimensional discrete equations of convolution type**
Vasilyev - Vasilyev

S19: Optimization of differential equations

S19.1 Wednesday, 25 | 14:00-16:00
Chair: Vexler Donatello Room

14:00 **Two Types of Globally Convergent Numerical Methods for Coefficient Inverse Problems**
Klibanov

14:20 **A Riemannian SQP method for PDE constrained shape optimization**
Welker - Schulz - Siebenborn

14:40 **A second order convergent trial method for free boundary problems in three dimensions**
Harbrecht - Bugeanu

15:00 **Primal-Dual Active Set Strategy for Singular Optimal Control Problems**
Fischer - Bechmann

15:20 **Adaptive Optimal Control of the Obstacle Problem**
Wollner - Meyer – Rademacher

S19.2 Wednesday, 25 | 16:30-18:30
Chair: Vexler Donatello Room

16:30 **Optimal Control of a linear unsteady Fluid-Structure Interaction Problem**
Failer - Meidner - Vexler

16:50 **Parabolic optimal control problems with pointwise controls**
Leykekhman - Vexler

17:10 **Optimal Control of Signorini Contact Problems**
Meyer - Betz

17:30 **Frequency-sparse Control of Bilinear Quantum Systems**
Henneke - Frisecke - Kunisch

17:50 **Looking for strictly positive solutions of elliptic PDEs**
Schiela

18:10 **Time optimal control for the monodomain equations – a monolithic approach**
Pieper - Kunisch – Rund

S19.3 Thursday, 26 | 09:00-11:00
Chair: Vexler Donatello Room

09:00 **The optimal shape of a pipe**
Schulz

09:20 **Topological derivative for nonlinear magnetostatics**
Gangl - Amstutz - Langer

09:40 **Multiple state optimal design problems with random perturbation**
Vrdoljak

10:00 **Robust methods and adaptivity for the numerical solution of variational inequalities for phase-field-based fracture problems**
Wick

10:20 **A Bridge from State-constrained ODE Optimal Control\\ to State-constrained elliptic PDE Optimal Control:\\ New Necessary Condtions, New Optimization Problems,\\ and New Numerical Methods**
Pesch - Wrensch - Bechmann - Rund

10:40 **Optimal control for lithium-ion batteries**
Vossen - Roos – Struck

S19.4 Thursday, 26 | 16:30-18:30
Chair: Herty Donatello Room

16:30 **Numerical approximation of a quasistatic evolution problem in cohesive fracture**
Solombrino - Fornasier - Cagnetti - Artina

16:50 **Sparse optimal control of the KDV equation**
Boulanger - Trautmann - Vexler

17:10 **Traffic flow control: avoiding shocks via variable speed limit**
Delle Monache - Piccoli - Rossi

17:30 **Lur\'e dynamical systems -- existence and stability results**
Gwinner

17:50 **A smooth and localized version of the Hughes model for pedestrian flow**
Martin - Carrillo - Wolfram

18:10 **On Modelling, Simulation and Optimisation of Solar Updraft Towers with Sloped Collectors**
Gasser – Kamboh

S19.5 Friday, 27 | 09:00-11:00
Chair: Herty Donatello Room

09:00 **The identifiability approach for time-dependent full waveform inversion**
Kourounis - Schenk

09:20 **Local minimization algorithms for dynamic programming equations**
Kröner - Kalise - Kunisch

09:40 **Optimization of Multirate Partial Differential Algebraic Equations**
Pulch - Kugelmann

10:00 **A priori error estimates for nonstationary optimal control problems with gradient state constraints**
Ludovici - Neitzel - Wollner

10:20 **Direct and indirect multiple shooting for parabolic optimal control problems**
Carraro - Geiger

10:40 **Functional a posteriori estimates for cost functionals of elliptic optimal control problems**
Wolfmayr

S19.6 Friday, 27 | 11:30-13:30
Chair: Herty Donatello Room

11:30 **Multiobjective Optimization of the Flow Around a Cylinder Using Model Order Reduction**
Peitz - Dellnitz

11:50 **A Certified Reduced Basis Approach for Parametrized Linear-Quadratic Optimal Control Problems with Control Constraints**
Bader - Kärcher - Grepl - Veroy-Grepl

12:10 **Wavelet-based lossy trajectory compression for optimal control of parabolic PDEs**
Goetschel - Weiser

S20: Dynamics and control

S20.1 Wednesday, 25 | 16:30-18:30
Chair: Berger Caravaggio 2 Room

16:30 **Control design of the vibration reduction systems**
Maciejewski - Krzyzynski

16:50 **Coordination of guidance and stabilization tasks for bicycle rider modelling**
Edelmann - Haudum - Plöchl

17:10 **Parameter identification of a scaled experimental running gear**
Keck - Schwarz

17:30 **Nonlinear Control of a Variable Displacement Vane Pump**
Koester - Fidlin

17:50 **A kinematic approach based on an equivalent track for a skid-steering robot**
Galati - Giannoccaro - Messina - Reina

18:10 **Harmonic Mistuning of Blisks**
Pohle - Panning-von Scheidt – Wallaschek

S20.2 Thursday, 26 | 09:00-11:00
Chair: Prandini Caravaggio 2 Room

09:00 **Stability analysis of implicit difference equations**
Mehrmann - Thuan

09:20 **Controllability characterization for switched DAEs**
Trenn - Küsters

09:40 **The Kalman-Yakubovich-Popov Inequality for Differential-Algebraic Equations**
Voigt - Reis - Rendel

10:00 **Controlled invariance for DAEs**
Berger

10:20 **Control of underactuated systems with coupling input forces**
Korczak

S20.3 Thursday, 26 | 16:30-18:30
Chair: Ancona Caravaggio 2 Room

16:30 **Stabilization using discounted optimal control problems**
Gruene - Gaitsgory - Thatcher

17:10 **Economic Model Predictive Control under Bounded Disturbances**
Bayer - Allgöwer

17:30 **Approximate linear programming for optimal control design: a solution based on function approximation and randomization**
Prandini - Falsone

18:10 **Multi-objective optimal control of fluid mixing**
Ober-Blöbaum - Padberg-Gehle

S20.4 Friday, 27 | 09:00-11:00
Chair: Coclite Caravaggio 2 Room

09:00 **An optimal junction solver for traffic flow**
Garavello - Ancona - Cesaroni - Coclite

09:40 **Vanishing dielectric constant regime for the Navier Stokes Maxwell equations**
Spirito - Donatelli

10:00 **Schaeffer's regularity theorem and the case of systems**
Caravenna – Spinolo

S20.5 Friday, 27 | 11:30-13:30
Chair: Voigt Caravaggio 2 Room

11:30 **Minimal data rates and entropy in digitally networked systems**
Kawan

11:50 **Reachable states of a quasilinear hyperbolic control system: an application to separation processes**
Zuyev

12:10 **Automated generation of a dynamic feedforward control law using local model networks with disturbance inputs**
Euler-Rolle - Hametner - Jakubek

12:30 **Structure-preserving discrete-time LQR problems**
Flaßkamp - Murphey

12:50 **Reconstruction of independent sub-domains for a class of Hamilton-Jacobi equations and application to parallel computing**
Festa

S21: Mathematical image processing

S21.1 Tuesday, 24 | 09:00-11:00
Chair: Berkels Leandro 1 Room

09:00 **On learning reaction diffusion models**
Pock - Chen

09:40 **Adaptive Total Variation Regularization**
Lenzen - Lellmann - Becker - Petra - Schnoerr

10:00 **Joint Motion Estimation and Image Reconstruction**
Dirks - Burger - Schönlieb

10:20 **Regularization methods for flow fields with smooth transitions and sharp edges**
Frerking - Burger - Vestweber - Brune

10:40 **Regularisation by Circular Hough Transform**
Grah - Burger – Schoenlieb

S21.2 Tuesday, 24 | 16:30-18:30
Chair: Pock Leandro 1 Room

16:30 **Artifact-free variational MPEG decompression**
Holler - Bredies

16:50 **Cartoon-Texture-Noise Decomposition with Transport Norms**
Brauer - Lorenz

17:10 **Asymptotics of Spatial Sparsity Priors**
Heins - Burger

17:30 **Image Warping via Optimal Transport with Sources**
Simon - Maas - Rumpf

17:50 **Non-rigid registration for pre-operative 3D surfaces and intra-operative 2.5D surfaces**
Tatano - Berkels

18:10 **Active-contours for image segmentation relying on non-stationary subdivision schemes**
Romani - Novara - Schmitter - Uhlmann – Unser

S21.3 Wednesday, 25 | 14:00-16:00
Chair: Kunis Leandro 1 Room

14:00 **Deterministic Sparse FFT Algorithms**
Plonka - Wannenwetsch

14:40 **Reconstruction of Multivariate Exponential Functions from Measurements**
Peter

15:00 **Ambiguities in one-dimensional discrete phase retrieval from Fourier magnitudes**
Beinert - Plonka

15:20 **Optimal mollifiers for the reconstruction of spherical images from circular means**
Hielscher - Quellmalz

15:40 **A robust estimation method for camera calibration with known rotation.**
Egozi - Maass – Sagiv

S21.4 Wednesday, 25 | 16:30-18:30
Chair: Plonka Leandro 1 Room

16:30 **Harmonic analysis of projectors**
Ehler - Graef

16:50 **Perturbations of frame sequences and the effect on their duals**
Philipp - Kutyniok - Paternostro

17:10 **Construction of Multichannel Wavelets via Full Rank Subdivision Schemes**
Conti - Cotronei - Sauer

17:30 **Shearlet-Based Edge Detection: Flame Fronts and Tidal Flats**
King - Reisenhofer - Kiefer - Li - Heygster - Lim

17:50 **Classification of Edges Using Compactly Supported Shearlets**
Petersen – Kutyniok

S21.5 Thursday, 26 | 09:00-11:00
Chair: Vinti Leandro 1 Room

09:00 **Approximation in variation for nonlinear Mellin integral operators**
Angeloni - Vinti

09:40 **Multivariate sampling Kantorovich operators: from the theory to the Digital Image Processing algorithm**
Costarelli - Vinti

10:00 **Stockwell Transform and Application to Image Analysis**
Battisti - Pirro - Riba - Sambuelli

10:20 **Applications of Approximation Theory to thermographic images in earthquake engineering**
Minotti - Cluni - Costarelli - Vinti

10:40 **A generalization of the Zak transform with applications in sampling theory and physics**
Jüstel

S21.6 Thursday, 26 | 16:30-18:30
Chair: Angeloni Leandro 1 Room

16:30 **Multivariate Generalized Sampling Type Series: estimates of pointwise convergence**
Bardaro - Mantellini

16:50 **A New Blind Source Separation Numerical Technique**
Gerace - Scognamiglio

17:10 **Geometric Means of Toeplitz Matrices by Positive Parametrizations**
Iannazzo - Bini - Serra Capizzano

17:30 **A unifying theory for convergence of linear sampling operators in Orlicz spaces**
Zampogni - Vinti

17:50 **Digital image processing algorithms for diagnosis in arterial diseases**
Seracini - Costarelli - Vinti

18:10 **Nonnegative Tensor Grid Decomposition**
Jeuris - Iannazzo – Pompili

S21.7 Friday, 27 | 09:00-11:00
Chair: Bardaro Leandro 1 Room

09:00 **Poisson Noise Removal from High-Resolution Electron Micrographs based on periodic Block-matching**
Mevenkamp - Binev - Dahmen - Voyles - Yankovich - Berkels

09:20 **Application of learning algorithms for colour recognition on underwater images**
Hoth - Kowalczyk

09:40 **Edge detection based on fractional order differentiation and its application to railway track images**
Telke - Beitelschmid

S22: Scientific computing

S22.1 Thursday, 26 | 09:00-11:00
Chair: Janna Caravaggio 3 Room

09:00 **Micro-macro parareal algorithms for multiscale problems**
Samaey

09:40 **Adaptive space time finite element methods for dynamic nonlinear thermomechanical coupled problems**
Rademacher

10:00 **Parallel simulation of large scale multibody systems**
Kloeppel - Naumann - Waurich - Walther - Wensch

10:20 **Simulation of coupled machine components on long time scales**
Naumann - Klöppel - Wensch

10:40 **Boris-SDC: A high-order Boris integrator**
Speck - Winkel – Ruprecht

S22.2 Thursday, 26 | 16:30-18:30
Chair: Vuik Caravaggio 3 Room

16:30 **Efficient Nested Chebyshev Smoothing**
Sanan - Schenk

17:10 **Rayleigh Quotient Inverse Iteration with Adaptive Algebraic Multigrid for Lattice QCD**
Rottmann

17:30 **An Auxiliary Space Type Preconditioner for Simulations in Lattice QCD**
Frommer - Brannick - Kahl - Leder - Rottmann - Strebel

17:50 **A GPU implementation of the Factored Sparse Approximate Inverse preconditioner for the iterative solution of SPD linear systems**
Janna - Bernaschi - Bisson – Fantozzi

18:10 **Finite Volume Methods for Sound-Advection-Buoyancy Systems**
Wensch - Klöppel - Knoth – Naumann

S22.3 Friday, 27 | 09:00-11:00
Chair: Janna Caravaggio 3 Room

09:00 **HPC methods for structured inverse modeling in diffusive processes**
Siebenborn - Schulz

09:40 **Using Automatic Differentiation to Create Sparse Jacobians for the Solution of Nonlinear Partial Differential Equations**
Zwicke - Knechtges - Behr - Elgeti

10:00 **Multiple-output variable fidelity modeling of vehicle aerodynamics under geometric shape variations**
Sauerbrei - Zimmermann

10:20 **Sensitivities calculations for unsteady flow problems**
Stoia-Djeska - Frunzulica

10:40 **EWE – A coupled electro-mechanical heart model in the general purpose FEM framework MOOSE**
Ruprecht - Winkel – Krause

S22.4 Friday, 27 | 11:30-13:30
Chair: Ruprecht Caravaggio 3 Room

11:30 **Enriching Finite Elements with meshless nodes in structural mechanics**
Ferronato - Janna - Zanette

12:10 **Simulations of turbulent Rayleigh-Bénard convection with a spectral element method**
Kooij - Botchev - Geurts

12:30 **A fully meshless method for `gas - evaporating droplet' flow modelling**
Rybdylova - Osiptsov - Sazhin - Begg - Heikal

12:50 **The Qualitative Analysis and the Critical Hypersurfaces of Stationary Elliptic PDEs**
Nastase

S23: Applied operator theory

S23.1 Tuesday, 24 | 09:00-11:00
Chair: Philipp Masaccio Room

09:00 **Squeezing of arbitrary order**
Szafraniec

09:40 **Lebesgue type decompositions and Radon-Nikodym derivates for unbounded linear operators and relations**
de Snoo

10:00 **Remarks on the convergence of pseudospectra**
Siegl - Bögli

10:20 **Recent results on functional calculus for Tadmor-Ritt operators**
Schwenninger - Zwart

10:40 **A functional analytic look upon Remling's oracle theorem**
Vogt – Seifert

S23.2 Wednesday, 25 | 14:00-16:00
Chair: Siegl Masaccio Room

14:00 **On Abstract *grad-div* Systems**
Picard - Trostorff - Waurick - Seidler

14:40 **Eigenfunction expansions associated with the one-dimensional Schr ¨odinger operator**
Gilbert

15:00 **Collocation-quadrature methods and fast summation for Cauchy singular integral equations with fixed singularities**
Kaiser - Junghanns - Potts

15:20 **Exponential stability of a second order integro-differential equation with delay**
Trostorff

15:40 **The div A grad-operator without ellipticity**
Kostrykin - Hussein - Krejcirik - Makarov – Schmitz

S23.3 Wednesday, 25 | 16:30-18:30
Chair: Trostorff Masaccio Room

16:30 **Rational matrix solutions of a Bezout type equation on the half plane**
Ran - Frazho - Kaashoek

17:10 **On the trace class property of the resolvent regularization of a Dirac-type operator on R^3**
Waurick - Gesztesy

17:30 **On the spectrum of non-selfadjoint operators over dynamical systems**
Seifert

17:50 **Uniform mean ergodicity of C0-semigroups in a class of Fréchet spaces**
Albanese - Bonet - Ricker

18:10 **On deformations of classical Jacobi matrices**
Wojtylak

S24: History of mechanics

S24.1 Tuesday, 24 | 16:30-18:30
Chair: Capecchi Caravaggio 4 Room

16:30 **The change of perspective with the advent of Quantum Mechanics**
Esposito

17:10 **Walter Noll and the Bourbakization of Mechanics**
Del Piero

17:50 **Beltrami and mathematical physics in non-Euclidean spaces**
Capecchi - Ruta

18:10 **Gustav R. Kirchhoff and the dynamics of tapered beams**
Cazzani

S24.2 Wednesday, 25 | 14:00-16:00
Chair: Trovalusci Caravaggio 4 Room

14:00 **On the Derivation of the Equations of Hydrodynamics 65 years after Irving&Kirkwood**
Podio-Guidugli

14:40 **How does dynamic complexity contribute to the advancement of mechanics**
Rega

15:20 **On the role of virtual work in Levi-Civita's parallel transport**
Ruta – Iurato

S24.3 Wednesday, 25 | 16:30-18:30
Chair: Rega Caravaggio 4 Room

16:30 **Nineteenth century molecular models with a glance at modern discrete--continuum theories**
Trovalusci

16:50 **The discovery of the vector representation of moments and angular velocity (1750 – 1830)**
Caparrini

17:10 **Domenico Fontana and the entrance of mechanics in architecture**
Tocci - Masiani

17:30 **On the graphic statics for the analysis of masonry domes**
Cavalagli - Gusella

17:50 **G. W. Leibniz's "Machina Deciphratoria", the first described cypher machine from the 17th century, constructed and built in 2013/14 for the Leibniz Exhibition of the Leibniz Universität Hannover**
Stein

LIST OF PARTICIPANTS

A

Abdelwahed, Mohamed	S16	Tuesday, March 24 09:20 - 09:40
Abels, Helmut	S14	Thursday, March 26 09:00 - 09:40
Abramian, Andrei	S03	Thursday, March 26 17:50 - 18:10
Adams, Nikolaus	PLL	Tuesday, March 24 15:00 - 16:00
Ahmad, Mian Ilyas	S18	Thursday, March 26 17:30 - 17:50
Aland, Sebastian	S11	Thursday, March 26 16:30 - 16:50
Albanese, Angela	S23	Wednesday, March 25 17:50 - 18:10
Albers, Bettina	S12	Tuesday, March 24 09:40 - 10:00
Albiez, Jürgen	S06	Friday, March 27 11:50 - 12:10
Aldakheel, Fadi	S06	Thursday, March 26 17:50 - 18:10
Alimi, Aria	S11	Wednesday, March 25 17:50 - 18:10
Allgöwer, Frank		
Altenbach, Holm		
Altenbach, Natalija		
Altmann, Robert	S01	Tuesday, March 24 09:40 - 10:00
Ancona, Fabio		
Angeloni, Laura	S21	Thursday, March 26 09:00 - 09:40
Apatay, Tunc	S04	Friday, March 27 09:40 - 10:00
Arpaia, Luca	S18	Wednesday, March 25 15:20 - 15:40
Arroyo, Marino	MS5	Monday, March 23 16:30 - 16:50
Arslan, Eray	S04	Tuesday, March 24 17:50 - 18:10
Auricchio, Ferdinando	PLL	Thursday, March 26 11:30 - 12:30
Avakian, Artjom	S07	Wednesday, March 25 17:30 - 17:50

B

Babovsky, Hans	S18	Friday, March 27 11:30 - 12:10
Bachmayr, Markus	YRMS5	Monday, March 23 17:10 - 17:30
Bader, Eduard	S19	Friday, March 27 11:50 - 12:10
Baeuerle, Simon	S05	Tuesday, March 24 09:40 - 10:00
Ballani, Jonas	S17	Friday, March 27 12:30 - 12:50
Balzani, Daniel	S02	Wednesday, March 25 14:00 - 14:40
Bardaro, Carlo	S21	Thursday, March 26 16:30 - 16:50

Bartel, Florian	S08	Thursday, March 26 10:20 - 10:40
Bartel, Thorsten	S06	Thursday, March 26 10:20 - 10:40
Bartels, Alexander	S06	Thursday, March 26 16:30 - 16:50
Bartelt, Matthias	S01	Thursday, March 26 16:50 - 17:10
Barthlen, Andreas	S17	Thursday, March 26 16:50 - 17:10
Battisti, Ubertino	S21	Thursday, March 26 10:00 - 10:20
Bayat, Hamid Reza	S04	Wednesday, March 25 16:50 - 17:10
Bayer, Florian	S20	Thursday, March 26 17:10 - 17:30
Becker, Wilfried		
Bedzra, Rex	S06	Thursday, March 26 10:00 - 10:20
Beese, Steffen	S03	Wednesday, March 25 14:20 - 14:40
Behnke, Ronny	S03	Tuesday, March 24 09:20 - 09:40
Behr, Marek		
Beinert, Robert	S21	Wednesday, March 25 15:00 - 15:20
Beitelschmidt, Michael	S01	Thursday, March 26 09:20 - 09:40
Beladi, Behnaz	S09	Tuesday, March 24 17:50 - 18:10
Benner, Peter		
Berger, Thomas	S20	Thursday, March 26 10:00 - 10:20
Berkels, Benjamin		
Berrone, Stefano	MS2	Monday, March 23 17:10 - 17:30
Berthelsen, Rolf	S06	Tuesday, March 24 10:20 - 10:40
Bertin, Nancy	YRMS4	Monday, March 23 18:10 - 18:30
Bertram, Albrecht	S06	Friday, March 27 09:00 - 09:40
Betsch, Peter		
Beyer, Florian	S04	Thursday, March 26 17:50 - 18:10
Beyn, Wolf-Juergen		
Bianchi, Davide	S17	Friday, March 27 09:40 - 10:00
Bidier, Sami	S08	Thursday, March 26 16:30 - 16:50
Bisegna, Paolo		
Blech, Christopher	S06	Thursday, March 26 10:20 - 10:40
Bleiler, Christian	S02	Tuesday, March 24 10:20 - 10:40
Boettcher, Konrad	S11	Wednesday, March 25 16:30 - 16:50
Böhlke, Thomas	PLL	Tuesday, March 24 11:30 - 12:30
Böl, Markus	S02	Tuesday, March 24 16:30 - 16:50
Bolea Albero, Antonio	S02	Thursday, March 26 09:00 - 09:20
Bonhage, Marius	S01	Friday, March 27 09:20 - 09:40
Bortot, Eliana	S07	Friday, March 27 10:20 - 10:40
Borukhovich, Efim	S07	Tuesday, March 24 17:10 - 17:30
Boso, Daniela	S02	Tuesday, March 24 16:50 - 17:10

Boulanger, Anne-Celine	S19	Thursday, March 26 16:50 - 17:10
Boy, Felix	S05	Tuesday, March 24 09:00 - 09:20
Bozovic, Nemanja	S17	Thursday, March 26 17:30 - 17:50
Brands, Dominik	S08	Thursday, March 26 17:30 - 17:50
Brauer, Christoph	S21	Tuesday, March 24 16:50 - 17:10
Brazaluk, Iuliia	S09	Tuesday, March 24 18:30 - 18:50
Bremer, Hartmut		
Brepols, Tim	S03	Wednesday, March 25 17:10 - 17:30
Brezzi, Franco	MS2	Monday, March 23 16:30 - 17:10
Brouet, Francois	S04	Friday, March 27 13:10 - 13:30
Bruecker, Christoph	S09	Tuesday, March 24 10:40 - 11:00
Buchacz, Andrzej	S07	Thursday, March 26 09:00 - 09:20
Bucher, Christian	S15	Tuesday, March 24 18:10 - 18:30
Buckmann, Karsten	S06	Wednesday, March 25 14:40 - 15:00
Budday, Dominik	S02	Thursday, March 26 09:20 - 09:40
Budday, Silvia	S06	Friday, March 27 09:40 - 10:00
Burkhardt, Markus	S01	Tuesday, March 24 10:40 - 11:00

C

Calatroni, Luca	S14	Thursday, March 26 10:00 - 10:20
Campiti, Michele		
Caparrini, Sandro	S24	Wednesday, March 25 16:50 - 17:10
Capecchi, Danilo	S24	Tuesday, March 24 17:50 - 18:10
Caravenna, Laura	S20	Friday, March 27 10:00 - 10:40
Carfagna, Melania	S02	Tuesday, March 24 17:50 - 18:10
Carrara, Pietro	S03	Thursday, March 26 09:40 - 10:00
Carraro, Thomas	S19	Friday, March 27 10:20 - 10:40
Caselli, Federica	S04	Thursday, March 26 09:20 - 09:40
Cavalagli, Nicola	S24	Wednesday, March 25 17:30 - 17:50
Caylak, Ismail	S04	Wednesday, March 25 17:50 - 18:10
Cazzani, Antonio	S24	Tuesday, March 24 18:10 - 18:30
Chen, Zhaoyu	S06	Friday, March 27 12:30 - 12:50
Cherubini, Stefania	S09	Tuesday, March 24 10:20 - 10:40
Chiarello, Valentina	S15	Tuesday, March 24 17:10 - 17:30
Chinchaladze, Natalia	S04	Thursday, March 26 10:40 - 11:00
Chiroiu, Veturia	S05	Tuesday, March 24 17:30 - 17:50

Christowiak, Fabian	S14	Tuesday, March 24 10:00 - 10:20
Cicalese, Marco	MS3	Monday, March 23 16:30 - 17:00
Cicone, Antonio	S17	Wednesday, March 25 18:10 - 18:30
Coclite, Alessandro	S10	Tuesday, March 24 10:40 - 11:00
Coclite, Giuseppe		
Congedo, Pietro Marco	S15	Wednesday, March 25 15:00 - 15:20
Conti, Costanza	S21	Wednesday, March 25 17:10 - 17:30
Conti, Sergio		
Costarelli, Danilo	S21	Thursday, March 26 09:40 - 10:00
Cuba Ramos, Aurelia	S03	Thursday, March 26 09:00 - 09:20
Cyron, Christian	MS5	Monday, March 23 17:30 - 17:50
Cárdenas, Giovanno Marcelo	S14	Thursday, March 26 10:40 - 11:00

D

D'Andria, Francesco	PBL	Tuesday, March 24 18:30 - 19:30
Darvishi Kamachali, Reza	S07	Tuesday, March 24 17:50 - 18:10
Das, Pratibhamoy	S18	Thursday, March 26 18:10 - 18:30
DeSimone, Antonio	MS1	Monday, March 23 16:30 - 17:10
De Lorenzis, Laura		
de Payrebrune, Kristin	S05	Wednesday, March 25 16:50 - 17:10
de Snoo, Henk	S23	Tuesday, March 24 09:40 - 10:00
Del Piero, Gianpietro	S24	Tuesday, March 24 17:10 - 17:50
Delle Monache, Maria Laura	S19	Thursday, March 26 17:10 - 17:30
Deppler, Jens	S01	Tuesday, March 24 17:50 - 18:10
Descher, Stefan	S11	Wednesday, March 25 15:00 - 15:20
Di Paola, Mario	S15	Wednesday, March 25 16:30 - 17:10
Didam, Stephan	S04	Thursday, March 26 17:10 - 17:30
Diebels, Stefan	S02	Tuesday, March 24 09:00 - 09:20
Diegelmann, Felix	S10	Friday, March 27 12:30 - 12:50
Diehl, Moritz	PLL	Wednesday, March 25 09:00 - 10:00
Diermeier, Johannes	S14	Tuesday, March 24 09:40 - 10:00
Dimitri, Rossana	S04	Tuesday, March 24 09:00 - 09:40
Dirks, Hendrik	S21	Tuesday, March 24 10:00 - 10:20
Dobovsek, Igor	S07	Wednesday, March 25 17:50 - 18:10
Dolzman, Georg	S14	Thursday, March 26 10:20 - 10:40
Donatelli, Marco	S17	Friday, March 27 09:00 - 09:40

Dornisch, Wolfgang	S04	Thursday, March 26 09:00 - 09:20
Dreesen, Philippe	YRMS5	Monday, March 23 16:50 - 17:10
Dridger, Alex	S15	Tuesday, March 24 10:00 - 10:20
Drozdetskaya, Olga	S05	Tuesday, March 24 10:40 - 11:00
Díaz, Guillermo	S03	Thursday, March 26 10:40 - 11:00
Dörlich, Vanessa	S04	Thursday, March 26 17:30 - 17:50
Düsing, Martin	S06	Thursday, March 26 16:50 - 17:10
Düster, Alexander		

E

Eberhard, Peter	S01	Thursday, March 26 09:00 - 09:20
Edelmann, Johannes	S20	Wednesday, March 25 16:50 - 17:10
Egbers, Christoph		
Egozi, Amir	S21	Wednesday, March 25 15:40 - 16:00
Ehler, Martin	S21	Wednesday, March 25 16:30 - 16:50
Ehlers, Wolfgang		
Ehret, Alexander	S06	Friday, March 27 09:00 - 09:40
Eidel, Bernhard	S04	Thursday, March 26 16:50 - 17:10
Eisenträger, Johanna	S04	Thursday, March 26 10:20 - 10:40
Elgeti, Stefanie	S07	Friday, March 27 12:50 - 13:10
Elia, Cinzia	MS4	Monday, March 23 17:10 - 17:30
Endres, Florian	S06	Wednesday, March 25 15:20 - 15:40
Erschen, Stefan	S16	Wednesday, March 25 15:00 - 15:20
Esposito, Salvatore	S24	Tuesday, March 24 16:30 - 17:10
Eugster, Simon	S06	Friday, March 27 12:50 - 13:10
Euler-Rolle, Nikolaus	S20	Friday, March 27 12:10 - 12:30
Eurich, Lukas		

F

Failer, Lukas	S19	Wednesday, March 25 16:30 - 16:50
Farano, Mirko	S09	Tuesday, March 24 09:40 - 10:00
Fassbender, Heike	S17	Wednesday, March 25 16:30 - 17:10

Fausten, Simon	S02	Tuesday, March 24 09:40 - 10:00
Fehr, Joerg	S03	Thursday, March 26 16:50 - 17:10
Feireisl, Eduard	S14	Tuesday, March 24 09:00 - 09:40
Felger, Julian	S03	Tuesday, March 24 10:00 - 10:20
Ferranti, Micol	S17	Wednesday, March 25 15:20 - 15:40
Ferronato, Massimiliano	S22	Friday, March 27 11:30 - 12:10
Festa, Adriano	S20	Friday, March 27 12:50 - 13:10
Fidlin, Alexander		
Fiedler, Robert	YRMS1	Monday, March 23 17:30 - 18:00
Fink, Davina	S07	Friday, March 27 12:30 - 12:50
Fischer, Julia	S19	Wednesday, March 25 15:00 - 15:20
Flaßkamp, Kathrin	S20	Friday, March 27 12:30 - 12:50
Foti, Pilade	S06	Thursday, March 26 09:00 - 09:40
Frerking, Lena	S21	Tuesday, March 24 10:20 - 10:40
Friedman, Noemi	S15	Wednesday, March 25 15:20 - 15:40
Friedrich, Robert	S04	Thursday, March 26 09:40 - 10:00
Fries, Thomas-Peter	S11	Wednesday, March 25 14:20 - 14:40
Frigeri, Sergio	S14	Friday, March 27 09:00 - 09:40
Frikel, Jürgen	YRMS4	Monday, March 23 17:30 - 17:50
Frings, Markus	S11	Wednesday, March 25 14:00 - 14:20
Fritzen, Felix	S08	Friday, March 27 12:30 - 12:50
Frommer, Andreas	S22	Thursday, March 26 17:30 - 17:50
Frunzulica, Florin	S07	Thursday, March 26 17:10 - 17:30
Fusi, Francesca	S16	Wednesday, March 25 14:40 - 15:00

G

Galati, Rocco	S20	Wednesday, March 25 17:50 - 18:10
Galdi, Giovanni	PLL	Monday, March 23 15:00 - 16:00
Gambarotta, Luigi	S06	Friday, March 27 11:50 - 12:10
Gangl, Peter	S19	Thursday, March 26 09:20 - 09:40
Garavello, Mauro	S20	Friday, March 27 09:00 - 09:40
Garoni, Carlo	S17	Wednesday, March 25 17:50 - 18:10
Garroni, Adriana	MS3	Monday, March 23 17:00 - 17:30
Gasser, Ingenuin	S19	Thursday, March 26 18:10 - 18:30
Gei, Massimiliano	S04	Tuesday, March 24 17:30 - 17:50
Gerace, Ivan	S21	Thursday, March 26 16:50 - 17:10

Ghani, Abdulla	S10	Friday, March 27 12:10 - 12:30
Giannetti, Flavio		
Giesselmann, Jan	S18	Wednesday, March 25 15:00 - 15:20
Gilbert, Daphne	S23	Wednesday, March 25 14:40 - 15:00
Ginster, Janusz	S14	Thursday, March 26 17:30 - 17:50
Girip, Iulian	S04	Tuesday, March 24 16:50 - 17:10
Gladbach, Peter	S14	Friday, March 27 10:20 - 10:40
Glaser, Philipp	S15	Wednesday, March 25 17:10 - 17:30
Gloerfelt, Xavier	S12	Tuesday, March 24 09:00 - 09:40
Glüge, Rainer	S08	Friday, March 27 11:30 - 11:50
Goetschel, Sebastian	S19	Friday, March 27 12:10 - 12:30
Goldberg, Niels	S06	Thursday, March 26 09:40 - 10:00
Goldschmidt, Florian	S06	Tuesday, March 24 10:40 - 11:00
Göllner, Thea	S16	Tuesday, March 24 16:30 - 17:10
Gorash, Yevgen	S04	Friday, March 27 12:10 - 12:30
Graf, Wolfgang		
Grah, Joana	S21	Tuesday, March 24 10:40 - 11:00
Grasedyck, Lars	S17	Friday, March 27 11:30 - 12:10
Grillo, Alfio	S02	Tuesday, March 24 18:10 - 18:30
Gross, Dietmar		
Gruene, Lars	S20	Thursday, March 26 16:30 - 17:10
Grundl, Kilian	S01	Tuesday, March 24 16:50 - 17:10
Gundlach, Janto	S07	Thursday, March 26 10:00 - 10:20
Günther, Christina	S06	Friday, March 27 10:40 - 11:00
Günther, Michael		
Güttel, Stefan	S17	Thursday, March 26 18:10 - 18:30
Gwinner, Joachim	S19	Thursday, March 26 17:30 - 17:50

H

Häberle, Kai	S07	Thursday, March 26 17:30 - 17:50
Hackbusch, Wolfgang		
Hackenberg, Manuela	S07	Thursday, March 26 09:20 - 09:40
Hackl, Klaus		
Hagedorn, Peter		
Hajian, Soheil	S17	Thursday, March 26 17:50 - 18:10
Hammerschmidt, Antonia	S05	Wednesday, March 25 17:10 - 17:30

Hannusch, Susann	S04	Thursday, March 26 18:10 - 18:30
Hanss, Michael	S01	Friday, March 27 09:00 - 09:20
Hante, Falk	MS4	Monday, March 23 17:30 - 17:50
Harbrecht, Helmut	S19	Wednesday, March 25 14:40 - 15:00
Hartmann, Birgit		
Hartmann, Stefan	S06	Wednesday, March 25 16:30 - 17:10
Haskul, Mehmet	S03	Thursday, March 26 17:30 - 17:50
Haslinger, Josef	S01	Tuesday, March 24 17:10 - 17:30
Hassler, Stefan	S18	Wednesday, March 25 14:40 - 15:00
Hatecke, Hannes	S18	Thursday, March 26 16:30 - 16:50
Heckmann, Andreas	S01	Thursday, March 26 10:20 - 10:40
Heckmann, Chrisitan	S11	Thursday, March 26 17:30 - 17:50
Heiland, Jan	YRMS1	Monday, March 23 18:00 - 18:30
Heine, Clemens		
Heinemann, Christian	YRMS2	Monday, March 23 17:00 - 17:30
Heinlein, Alexander	S02	Wednesday, March 25 15:20 - 15:40
Heins, Pia	S21	Tuesday, March 24 17:10 - 17:30
Heinze, Stephan	S06	Friday, March 27 12:50 - 13:10
Heller, Dominik	S08	Thursday, March 26 17:10 - 17:30
Hellmich, Christian	MS5	Monday, March 23 17:50 - 18:10
Henneke, Felix	S19	Wednesday, March 25 17:30 - 17:50
Henning, Carla		
Hentschel, Olaf	S04	Tuesday, March 24 16:30 - 16:50
Herty, Michael		
Heymanns, Matthias	S05	Wednesday, March 25 15:40 - 16:00
Hielscher, Ralf	S21	Wednesday, March 25 15:20 - 15:40
Hillgärtner, Markus	S02	Tuesday, March 24 17:10 - 17:30
Hirschfeld, Stefan	S11	Thursday, March 26 16:50 - 17:10
Holler, Martin	S21	Tuesday, March 24 16:30 - 16:50
Horn, Benjamin		
Hornung, Cordula	S10	Tuesday, March 24 17:30 - 17:50
Horsch, Martin	S11	Thursday, March 26 17:50 - 18:10
Hossain, Mokarram	S06	Tuesday, March 24 17:10 - 17:30
Hoth, Julian	S21	Friday, March 27 09:20 - 09:40
Hübner, Daniel	S16	Tuesday, March 24 17:10 - 17:30
Huck, Christoph	YRMS1	Monday, March 23 16:30 - 17:00
Hupp, Daniel	S18	Thursday, March 26 10:20 - 10:40
Hürkamp, André	S04	Friday, March 27 11:30 - 11:50

I

Iakymchuk, Roman	S16	Tuesday, March 24 10:00 - 10:20
Iannazzo, Bruno	S21	Thursday, March 26 17:10 - 17:30
Ilie, Ruxandra	S06	Thursday, March 26 10:40 - 11:00
Ihlemann, Jörn		
Invernizzi, Stefano	S03	Thursday, March 26 09:20 - 09:40
Ioan, Rodica	S06	Friday, March 27 13:10 - 13:30

J

Janna, Carlo	S22	Thursday, March 26 17:50 - 18:10
Jansen, Lennart	S18	Thursday, March 26 17:50 - 18:10
Janz, Alexander	S04	Wednesday, March 25 14:00 - 14:40
Jehle, Georg	S05	Wednesday, March 25 14:20 - 14:40
Jeltsch, Rolf		
Jeuris, Ben	S21	Thursday, March 26 18:10 - 18:30
Jha, Niraj Kumar	S03	Thursday, March 26 10:20 - 10:40
Jocksch, Andreas	S09	Tuesday, March 24 16:30 - 17:10
Joulaian, Meysam	S04	Wednesday, March 25 18:10 - 18:30
Judt, Paul	S03	Tuesday, March 24 16:30 - 16:50
Juhre, Daniel	S06	Friday, March 27 10:00 - 10:20
Jung, Anne	S07	Tuesday, March 24 09:00 - 09:20
Jørgensen, Jakob	YRMS4	Monday, March 23 17:50 - 18:10
Jüstel, Dominik	S21	Thursday, March 26 10:40 - 11:00

K

Kaiser, Robert	S23	Wednesday, March 25 15:00 - 15:20
Kalisch, Jan	S06	Wednesday, March 25 17:10 - 17:30
Kaliske, Michael		
Kapelke, Simon	S05	Wednesday, March 25 17:30 - 17:50
Kaptan, Ferhat	S05	Wednesday, March 25 15:00 - 15:20

Kawan, Christoph	S20	Friday, March 27 11:30 - 11:50
Kazeev, Vladimir	YRMS5	Monday, March 23 17:30 - 17:50
Keck, Alexander	S20	Wednesday, March 25 17:10 - 17:30
Kehrer, Loredana	S08	Friday, March 27 09:40 - 10:00
Keip, Marc-Andre	S06	Wednesday, March 25 14:00 - 14:40
Keisenberg, Tobias	S05	Tuesday, March 24 10:20 - 10:40
Kempe, Tobias	S11	Wednesday, March 25 15:20 - 15:40
Kempf, Andreas	S10	Tuesday, March 24 10:20 - 10:40
Kern, Dominik	S01	Thursday, March 26 16:30 - 16:50
Khiêm, Vu	S04	Thursday, March 26 16:30 - 16:50
Kiefer, Björn	S07	Friday, March 27 09:00 - 09:40
Kienzler, Reinhold		
Kießling, Robert	S06	Friday, March 27 12:10 - 12:30
King, Emily	S21	Wednesday, March 25 17:30 - 17:50
Klarmann, Simon	S08	Friday, March 27 09:00 - 09:20
Kleiser, Leonhard		
Klibanov, Michael	S19	Wednesday, March 25 14:00 - 14:20
Klinge, Sandra	S06	Tuesday, March 24 16:30 - 17:10
Klinkel, Sven	S04	Wednesday, March 25 16:30 - 16:50
Kloeppel, Michael	S22	Thursday, March 26 10:00 - 10:20
Kluwick, Alfred	S09	Tuesday, March 24 10:00 - 10:20
Knechtges, Philipp	S18	Friday, March 27 12:10 - 12:30
Knees, Dorothee		
Kochmann, Julian	S06	Thursday, March 26 17:30 - 17:50
Koebelé-Cousquer, Maxime	S15	Tuesday, March 24 09:20 - 09:40
Koester, Marius	S20	Wednesday, March 25 17:30 - 17:50
Kolvenbach, Philip		
Konyukhov, Alexander	S04	Tuesday, March 24 09:40 - 10:00
Kooij, Gijs	S22	Friday, March 27 12:10 - 12:30
Korczak, Sebastian	S20	Thursday, March 26 10:20 - 10:40
Koster, Michael	S06	Friday, March 27 11:30 - 11:50
Kostin, Georgy	S04	Tuesday, March 24 18:10 - 18:30
Kostrykin, Vadim	S23	Wednesday, March 25 15:40 - 16:00
Kourounis, Drosos	S19	Friday, March 27 09:00 - 09:20
Krause, Maria	S06	Tuesday, March 24 18:10 - 18:30
Kressner, Daniel	PLL	Thursday, March 26 14:00 - 15:00
Krinner, Andreas	S01	Friday, March 27 09:40 - 10:00
Kröger, Nils	S06	Friday, March 27 10:20 - 10:40
Krome, Fabian	S12	Tuesday, March 24 17:30 - 17:50

Kröner, Axel	S19	Friday, March 27 09:20 - 09:40
Krzyżyński, Tomasz	S16	Wednesday, March 25 15:40 - 16:00
Kuhlmann, Hendrik		
Kuhn, Charlotte		
Kunis, Stefan		
Kurniawan, Nicholas	S02	Wednesday, March 25 15:40 - 16:00
Kurnik, Włodzimierz		
Kuttich, Anja	S16	Wednesday, March 25 14:00 - 14:40
Kutyniok, Gitta		

L

Labusch, Matthias	S08	Thursday, March 26 17:50 - 18:10
Laforgia, Domenico		
Lakshmanan, Peter	S11	Thursday, March 26 17:10 - 17:30
Lamacz, Agnes	S14	Friday, March 27 10:00 - 10:20
Lammering, Rolf	S06	Wednesday, March 25 16:30 - 17:10
Landgraf, Ralf	S06	Tuesday, March 24 10:00 - 10:20
Landkammer, Philipp	S06	Wednesday, March 25 17:50 - 18:10
Lange, Stephan	S07	Wednesday, March 25 16:30 - 16:50
Lawrence, Piers	S17	Wednesday, March 25 17:30 - 17:50
Le, Khanh Chau		
Lechner, Christiane	S11	Wednesday, March 25 14:40 - 15:00
Lehn, Andreas	S16	Wednesday, March 25 15:20 - 15:40
Leine, Remco	S01	Thursday, March 26 10:00 - 10:20
Leismann, Thorben	S06	Friday, March 27 10:20 - 10:40
Lekomtsev, Sergey	S07	Thursday, March 26 16:50 - 17:10
Lemma, Enrico Domenico		
Lentz, Lukas	S05	Wednesday, March 25 15:20 - 15:40
Lenzen, Frank	S21	Tuesday, March 24 09:40 - 10:00
Leugering, Günter		
Leyendecker, Sigrid	MS4	Monday, March 23 17:50 - 18:10
Leykekhman, Dmitriy	S19	Wednesday, March 25 16:50 - 17:10
Li, Xuhui	S02	Tuesday, March 24 10:40 - 11:00
Linka, Kevin	S02	Tuesday, March 24 17:30 - 17:50
Linke, Julia	S11	Thursday, March 26 09:40 - 10:00
Linss, Torsten		

Lobos, Mauricio	S08	Thursday, March 26 16:50 - 17:10
Loderer, Thomas	S18	Thursday, March 26 17:10 - 17:30
Lohkamp, Richard	S06	Thursday, March 26 18:10 - 18:30
Löhnert, Stefan	S03	Tuesday, March 24 09:00 - 09:20
Lopez, Luciano		
Luce, Robert	S17	Friday, March 27 10:40 - 11:00
Luckhaus, Stephan	MS3	Monday, March 23 17:30 - 18:00
Ludovici, Francesco	S19	Friday, March 27 10:00 - 10:20
Luo, Chenyi	S07	Tuesday, March 24 16:30 - 16:50
Luo, Junjie	S04	Tuesday, March 24 17:10 - 17:30

M

Maaß, Grischa	S03	Wednesday, March 25 17:30 - 17:50
Maciejewski, Igor	S20	Wednesday, March 25 16:30 - 16:50
Mack, Werner		
Madjarevic, Damir	S07	Tuesday, March 24 09:40 - 10:00
Magiera, Jim	S18	Thursday, March 26 10:00 - 10:20
Mahner, Marcel	S07	Tuesday, March 24 10:40 - 11:00
Mahnken, Rolf		
Marczona, Jonas		
Marino, Michele	MS5	Monday, March 23 17:10 - 17:30
Marino, Michele		
Mariotti, Alessandro	S15	Wednesday, March 25 14:20 - 14:40
Markert, Richard		
Marner, Florian	S14	Tuesday, March 24 10:40 - 11:00
Martin, Stephan	S19	Thursday, March 26 17:50 - 18:10
Mastronardi, Nicola	S17	Wednesday, March 25 15:40 - 16:00
Matthies, Hermann		
Mauthe, Steffen	S03	Wednesday, March 25 14:00 - 14:20
Mehnert, Markus	S08	Friday, March 27 09:20 - 09:40
Mehrmann, Volker	S20	Thursday, March 26 09:00 - 09:20
Melchionna, Stefano	S14	Thursday, March 26 09:40 - 10:00
Meldi, Marcello	S15	Wednesday, March 25 15:40 - 16:00
Mellado, Juan Pedro	S10	Friday, March 27 10:20 - 10:40
Menzel, Andreas	MS1	Monday, March 23 17:10 - 17:30
Merkel, Eugen	S07	Wednesday, March 25 14:40 - 15:00

Merle, Xavier	S15	Wednesday, March 25 14:40 - 15:00
Metsch, Philipp	S07	Friday, March 27 10:00 - 10:20
Metzger, Andreas	S04	Friday, March 27 12:30 - 12:50
Metzger, Stefan	YRMS2	Monday, March 23 16:30 - 17:00
Mevenkamp, Niklas	S21	Friday, March 27 09:00 - 09:20
Meyer, Christian	S19	Wednesday, March 25 17:10 - 17:30
Meyer, Tobias	S01	Thursday, March 26 17:10 - 17:30
Miehe, Christian	MS1	Monday, March 23 17:30 - 17:50
Mills, Kristen	S02	Wednesday, March 25 16:50 - 17:10
Minotti, Anna Maria	S21	Thursday, March 26 10:20 - 10:40
Mishra, Nachiketa	S08	Thursday, March 26 10:00 - 10:20
Modesti, Davide	S10	Friday, March 27 10:00 - 10:20
Moffatt, Keith	PRL	Monday, March 23 14:00 - 15:00
Moj, Lukas	S07	Tuesday, March 24 17:30 - 17:50
Mojsic, Aleksandar	S16	Tuesday, March 24 09:00 - 09:20
Morales Ortuno, Sergio	S02	Tuesday, March 24 10:00 - 10:20
Morin, Claire	MS5	Monday, March 23 16:50 - 17:10
Mosler, Joern		
Mosnegutu, Valerica	S06	Wednesday, March 25 17:50 - 18:10
Muench, Ingo	S18	Friday, March 27 09:40 - 10:00
Müller, Ralf	MS1	Monday, March 23 17:50 - 18:10
Müllner, Markus	S10	Thursday, March 26 18:10 - 18:30
Munteanu, Ligia	S06	Wednesday, March 25 18:10 - 18:30
Munz, Claus-Dieter		
Murphey, Todd	MS4	Monday, March 23 16:30 - 16:50
Musayev, Khayal	S12	Tuesday, March 24 10:40 - 11:00

N

Nackenhorst, Udo		
Nastase, Adriana	S22	Friday, March 27 12:50 - 13:10
Nateghi, Aref	S07	Wednesday, March 25 14:20 - 14:40
Naumann, Andreas	S22	Thursday, March 26 10:20 - 10:40
Naumann, Christoph	S06	Friday, March 27 12:30 - 12:50
Naumenko, Konstantin	S04	Thursday, March 26 10:00 - 10:20
Nazarenko, Lidiia	S08	Friday, March 27 12:50 - 13:10
Needell, Deanna	YRMS4	Monday, March 23 16:30 - 17:10

Neitzel, Ira		
Nemdili, Fadela	S10	Tuesday, March 24 17:50 - 18:10
Nesenenko, Sergiy	S14	Tuesday, March 24 10:20 - 10:40
Neumann, Tim	S11	Thursday, March 26 10:20 - 10:40
Nguyen, Binh Duong	S06	Thursday, March 26 09:40 - 10:00
Nguyen, Lu Trong Khiem	S12	Tuesday, March 24 17:10 - 17:30
Nguyen, Van	S06	Friday, March 27 11:30 - 11:50
Nicoud, Franck	S10	Tuesday, March 24 16:30 - 17:10
Niederhöfer, Florian	S08	Friday, March 27 10:00 - 10:20
Niessner, Herbert	S18	Wednesday, March 25 15:40 - 16:00
Niroomand Rad, Helia	S07	Wednesday, March 25 15:00 - 15:20
Nisters, Carina	S04	Wednesday, March 25 15:20 - 15:40
Nodargi, Nicola	S04	Wednesday, March 25 17:10 - 17:30
Notarnicola, Filippo	S07	Wednesday, March 25 15:20 - 15:40
Nowak, Johannes	S11	Thursday, March 26 09:20 - 09:40

O

Ober-Blöbaum, Sina	S20	Thursday, March 26 18:10 - 18:30
Oberlack, Martin	S10	Tuesday, March 24 09:40 - 10:00
Odishelidze, Nana	S04	Friday, March 27 10:20 - 10:40
Olbermann, Heiner	MS3	Monday, March 23 18:00 - 18:30
Omerović, Samir	S04	Friday, March 27 11:50 - 12:10
Osman, Muhammad	S06	Thursday, March 26 10:40 - 11:00

P

Paganini, Alberto	YRMS3	Monday, March 23 16:30 - 16:50
Pandey, Anamika		
Parente, Alessandro	S10	Tuesday, March 24 17:10 - 17:30
Parmigiani, John	S03	Tuesday, March 24 10:20 - 10:40
Partzsch, Marian	S07	Tuesday, March 24 10:00 - 10:20
Parzer, Herbert	S01	Tuesday, March 24 09:20 - 09:40
Pawelczy, Matthaeus		
Pearson, John	YRMS3	Monday, March 23 16:50 - 17:10
Peitz, Sebastian	S19	Friday, March 27 11:30 - 11:50

Penta, Raimondo	S02	Wednesday, March 25 17:10 - 17:30
Perek, Anna	S05	Wednesday, March 25 14:00 - 14:20
Peres, Noele	S10	Friday, March 27 12:50 - 13:10
Pesch, Hans Josef	S19	Thursday, March 26 10:20 - 10:40
Peter, Thomas	S21	Wednesday, March 25 14:40 - 15:00
Petersen, Philipp	S21	Wednesday, March 25 17:50 - 18:10
Petra, Stefania		
Pfeffer, Max	YRMS5	Monday, March 23 17:50 - 18:10
Pfefferer, Johannes	YRMS3	Monday, March 23 17:10 - 17:30
Pfeiffer, Friedrich		
Philipp, Friedrich	S21	Wednesday, March 25 16:50 - 17:10
Picard, Rainer	S23	Wednesday, March 25 14:00 - 14:40
Pick, Marc-Andre	S05	Wednesday, March 25 14:40 - 15:00
Pieper, Konstantin	S19	Wednesday, March 25 18:10 - 18:30
Pietra, Paola	MS2	Monday, March 23 17:30 - 17:50
Piovano, Paolo	S14	Friday, March 27 09:40 - 10:00
Pitsch, Heinz	S10	Tuesday, March 24 10:00 - 10:20
Plonka, Gerlind	S21	Wednesday, March 25 14:00 - 14:40
Pock, Thomas	S21	Tuesday, March 24 09:00 - 09:40
Podio-Guidugli, Paolo	S24	Wednesday, March 25 14:00 - 14:40
Pohle, Linus	S20	Wednesday, March 25 18:10 - 18:30
Poinsot, Thierry	S10	Friday, March 27 11:30 - 12:10
Poliakov, Mykola	S18	Friday, March 27 10:40 - 11:00
Popolizio, Marina	S17	Thursday, March 26 16:30 - 16:50
Pouriayevali, Habib	S06	Friday, March 27 10:00 - 10:20
Prahs, Andreas	S06	Friday, March 27 09:40 - 10:00
Prandini, Maria	S20	Thursday, March 26 17:30 - 18:10
Przybylowicz, Piotr	S05	Tuesday, March 24 09:20 - 09:40
Pulch, Roland	S19	Friday, March 27 09:40 - 10:00

R

Rademacher, Andreas	S22	Thursday, March 26 09:40 - 10:00
Radisch, Christian	S05	Tuesday, March 24 16:30 - 16:50
Radszuweit, Markus	S03	Tuesday, March 24 17:30 - 17:50
Raina, Arun	S02	Wednesday, March 25 15:00 - 15:20
Rammerstorfer, Franz		

Ran, Andre	S23	Wednesday, March 25 16:30 - 17:10
Ranft, Michael	S11	Thursday, March 26 18:10 - 18:30
Rao, Mekala	S06	Wednesday, March 25 17:30 - 17:50
Rashedi, Somaiyeh	S17	Friday, March 27 12:50 - 13:10
Rasuo, Bosko	S12	Tuesday, March 24 10:20 - 10:40
Reese, Stefanie		
Rega, Giuseppe	S24	Wednesday, March 25 14:40 - 15:20
Rege, Ameya	S06	Thursday, March 26 09:00 - 09:20
Reiter, Alexander	S01	Tuesday, March 24 10:00 - 10:20
Renuka Balakrishna, Ananya		
Rezaei, Shahed	S03	Wednesday, March 25 15:00 - 15:20
Ricken, Tim		
Ricoeur, Andreas		
Riehl, Stefan	S16	Tuesday, March 24 17:30 - 17:50
Rittich, Hannah	S17	Friday, March 27 10:20 - 10:40
Robol, Leonardo	S17	Wednesday, March 25 15:00 - 15:20
Rocca, Elisabetta		
Rodio, Maria Giovanna	S11	Thursday, March 26 10:00 - 10:20
Roehrle, Oliver		
Rohde, Christian		
Röhrig, Céline	S06	Thursday, March 26 09:20 - 09:40
Romani, Lucia	S21	Tuesday, March 24 18:10 - 18:30
Romanò, Francesco	S11	Thursday, March 26 09:00 - 09:20
Römer, Ulrich	YRMS1	Monday, March 23 17:00 - 17:30
Römer, Ulrich	S01	Tuesday, March 24 18:10 - 18:30
Rosic, Bojana	S15	Tuesday, March 24 10:40 - 11:00
Rosin, Korinna		
Rottmann, Matthias	S22	Thursday, March 26 17:10 - 17:30
Rotundo, Nella		
Rozgic, Marco	S16	Tuesday, March 24 09:40 - 10:00
Ruck, Johannes	S03	Wednesday, March 25 16:30 - 16:50
Rudolph, Martin	S06	Tuesday, March 24 17:30 - 17:50
Rudykh, Stephan	S08	Thursday, March 26 18:10 - 18:30
Ruf, Matthias		
Ruprecht, Daniel	S22	Friday, March 27 10:40 - 11:00
Russo, Serena	S12	Tuesday, March 24 10:00 - 10:20
Rust, Wilhelm	S04	Tuesday, March 24 10:00 - 10:20
Ruta, Giuseppe	S24	Wednesday, March 25 15:20 - 15:40
Rybdylova, Oyuna	S22	Friday, March 27 12:30 - 12:50

S

Saadi, Mohamed	S15	Tuesday, March 24 10:20 - 10:40
Sadilek, Vaclav	S15	Tuesday, March 24 17:30 - 17:50
Sagaut, Pierre	S10	Friday, March 27 09:00 - 09:40
Salvetti, Maria Vittoria	S10	Thursday, March 26 17:30 - 17:50
Samaey, Giovanni	S22	Thursday, March 26 09:00 - 09:40
Sanan, Patrick	S22	Thursday, March 26 16:30 - 17:10
Santarelli, Claudio	S10	Thursday, March 26 17:50 - 18:10
Sarfaraz, Muhammad Sadiq	S15	Tuesday, March 24 09:40 - 10:00
Sauer, Roger	S07	Friday, March 27 11:30 - 12:10
Sauerbrei, Anna	S22	Friday, March 27 10:00 - 10:20
Schätzer, Markus	S03	Tuesday, March 24 09:40 - 10:00
Scheffer, Tobias	S06	Tuesday, March 24 17:50 - 18:10
Scheichl, Bernhard	S09	Tuesday, March 24 17:10 - 17:50
Schemmann, Malte	S06	Wednesday, March 25 17:30 - 17:50
Schenk, Christina	S18	Thursday, March 26 16:50 - 17:10
Schenke, Maik	S07	Friday, March 27 12:10 - 12:30
Scheunemann, Lisa	S08	Thursday, March 26 09:20 - 09:40
Schiehlen, Werner	S01	Tuesday, March 24 16:30 - 16:50
Schiela, Anton	S19	Wednesday, March 25 17:50 - 18:10
Schillings, Claudia	YRMS3	Monday, March 23 17:30 - 17:50
Schindler, Thorsten	S01	Tuesday, March 24 09:00 - 09:20
Schlögl, Tristan	S07	Friday, March 27 09:40 - 10:00
Schmidt, Kersten	S18	Friday, March 27 10:00 - 10:20
Schmitt, Alexander	S01	Tuesday, March 24 17:30 - 17:50
Schmitt, Oliver	S16	Tuesday, March 24 17:50 - 18:10
Schmitt, Regina	S06	Thursday, March 26 17:10 - 17:30
Schneiders, Lennart	S10	Thursday, March 26 17:10 - 17:30
Scholle, Markus	S09	Tuesday, March 24 18:10 - 18:30
Schörner, Mario	S11	Wednesday, March 25 17:10 - 17:30
Schröder, Bettina	S07	Friday, March 27 13:10 - 13:30
Schröder, Patrick	S02	Wednesday, March 25 17:30 - 17:50
Schröppel, Christian	S08	Thursday, March 26 09:40 - 10:00
Schulz, Andreas	S19	Thursday, March 26 09:00 - 09:20
Schumacher, Joerg	S10	Tuesday, March 24 09:00 - 09:40

Schwarz, Alexander	S04	Wednesday, March 25 15:00 - 15:20
Schwarz, Stephan	S03	Wednesday, March 25 16:50 - 17:10
Schweitzer, Marcel	S17	Thursday, March 26 17:10 - 17:30
Schwenkert, Rainer		
Schwenninger, Felix	S23	Tuesday, March 24 10:20 - 10:40
Sciacovelli, Luca	S10	Friday, March 27 09:40 - 10:00
Sciumè, Giuseppe	S02	Wednesday, March 25 16:30 - 16:50
Seifert, Christian	S23	Wednesday, March 25 17:30 - 17:50
Seifried, Robert	S01	Thursday, March 26 09:40 - 10:00
Seracini, Marco	S21	Thursday, March 26 17:50 - 18:10
Serdas, Serdar	S07	Friday, March 27 10:40 - 11:00
Sesana, Debora	S17	Friday, March 27 10:00 - 10:20
Sesterhenn, Joern	S10	Friday, March 27 13:10 - 13:30
Sesterhenn, Jörn		
Sguazzo, Carmen	S04	Friday, March 27 10:00 - 10:20
Shamolin, Maxim V.	S01	Friday, March 27 10:00 - 10:20
Shayanfar, Nikta	S17	Wednesday, March 25 17:10 - 17:30
Shirazi Beheshtiha, Sanam	S02	Thursday, March 26 09:40 - 10:00
Shokina, Nina	S12	Tuesday, March 24 16:30 - 16:50
Siconolfi, Lorenzo	S09	Tuesday, March 24 09:00 - 09:40
Siebenborn, Martin	S22	Friday, March 27 09:00 - 09:40
Siegbert, Roland	S16	Tuesday, March 24 18:10 - 18:30
Siegl, Petr	S23	Tuesday, March 24 10:00 - 10:20
Sievers, Christian	S08	Friday, March 27 11:50 - 12:10
Silvello, Alessio	S03	Thursday, March 26 17:10 - 17:30
Simon, Jaan-Willem	S03	Thursday, March 26 10:00 - 10:20
Simon, Stefan	S21	Tuesday, March 24 17:30 - 17:50
Sinnet, Ryan	MS4	Monday, March 23 18:10 - 18:30
Slavashevich, Iryna	S02	Thursday, March 26 10:20 - 10:40
Soehngen, Benjamin	S06	Wednesday, March 25 17:10 - 17:30
Sokolovic, Sonja	S17	Friday, March 27 12:10 - 12:30
Soldati, Alfredo	S10	Thursday, March 26 16:30 - 17:10
Solombrino, Francesco	S19	Thursday, March 26 16:30 - 16:50
Solowjow, Eugen	S15	Wednesday, March 25 14:00 - 14:20
Speck, Robert	S22	Thursday, March 26 10:40 - 11:00
Spirito, Stefano	S20	Friday, March 27 09:40 - 10:00
Sprenger, Lisa	S11	Wednesday, March 25 17:30 - 17:50
Sridhar, Ashish	S06	Wednesday, March 25 15:00 - 15:20
Stabile, Giovanni	S07	Thursday, March 26 10:20 - 10:40

Stapleton, Scott	S08	Friday, March 27 10:20 - 10:40
Starczewski, Zbigniew		
Steeger, Karl	S04	Wednesday, March 25 15:40 - 16:00
Stein, Erwin	S24	Wednesday, March 25 17:50 - 18:10
Stein, Peter	S07	Wednesday, March 25 14:00 - 14:20
Steindl, Alois	S05	Tuesday, March 24 17:10 - 17:30
Steiner, Maria	S15	Tuesday, March 24 17:50 - 18:10
Steiner, Wolfgang	S04	Tuesday, March 24 10:20 - 10:40
Steinig, Simeon	YRMS3	Monday, March 23 17:50 - 18:10
Steinmann, Paul	MS1	Monday, March 23 18:10 - 18:30
Steinrück, Herbert	S11	Wednesday, March 25 16:50 - 17:10
Stender, Merten	S05	Wednesday, March 25 16:30 - 16:50
Stoia-Djeska, Marius	S22	Friday, March 27 10:20 - 10:40
Straub, Daniel	S15	Tuesday, March 24 09:00 - 09:20
Strecha, Johannes	S07	Thursday, March 26 16:30 - 16:50
Strobl, Michael	S03	Tuesday, March 24 17:50 - 18:10
Stupkiewicz, Stanislaw	PLL	Thursday, March 26 15:00 - 16:00
Sülü, İsmail	S04	Friday, March 27 10:40 - 11:00
Sun, Tianshi	S18	Friday, March 27 12:30 - 12:50
Susu, Livia	S14	Thursday, March 26 17:10 - 17:30
Svanadze, Merab	S06	Friday, March 27 13:10 - 13:30
Szafraniec, Franciszek	S23	Tuesday, March 24 09:00 - 09:40

T

Tala-Ighil, Nacer	S03	Wednesday, March 25 17:50 - 18:10
Tanaka, Masato	S06	Tuesday, March 24 09:40 - 10:00
Tanwani, Aneel	MS4	Monday, March 23 16:50 - 17:10
Tatano, Rosalia	S21	Tuesday, March 24 17:50 - 18:10
Teichtmeister, Stephan	S03	Tuesday, March 24 17:10 - 17:30
Telke, Christian	S21	Friday, March 27 09:40 - 10:00
Thai, Huy	YRMS2	Monday, March 23 18:00 - 18:30
Thom, Andrea	S07	Thursday, March 26 17:50 - 18:10
Thomas, Marita	S14	Thursday, March 26 16:30 - 17:10
Thonhofer, Elvira	S18	Thursday, March 26 10:40 - 11:00
Tillmann, Andreas	YRMS4	Monday, March 23 17:10 - 17:30
Timothy, Jithender	S08	Thursday, March 26 10:40 - 11:00

Tocci, Cesare	S24	Wednesday, March 25 17:10 - 17:30
Topol, Heiko	S02	Tuesday, March 24 09:20 - 09:40
Tornabene, Francesco	S04	Wednesday, March 25 14:40 - 15:00
Trenn, Stephan	S20	Thursday, March 26 09:20 - 09:40
Trullo, Marco		
Trostorff, Sascha	S23	Wednesday, March 25 15:20 - 15:40
Trovalusci, Patrizia	S24	Wednesday, March 25 16:30 - 16:50
Tsintsadze, Magda	S04	Friday, March 27 12:50 - 13:10
Tylikowski, Andrzej	S05	Tuesday, March 24 10:00 - 10:20
Tölkes, Sascha	S08	Thursday, March 26 09:00 - 09:20

U

Urban, Sten	S07	Tuesday, March 24 10:20 - 10:40
Uschmajew, André	YRMS5	Monday, March 23 16:30 - 16:50

V

Vacca, Giuseppe	MS2	Monday, March 23 17:50 - 18:10
Vallicotti, Daniel	S06	Wednesday, March 25 15:40 - 16:00
Van Barel, Marc	S17	Wednesday, March 25 14:00 - 14:40
Vandereycken, Bart	YRMS5	Monday, March 23 18:10 - 18:30
Vasilyev, Vladimir	S18	Friday, March 27 12:50 - 13:10
Ventura, Giulio	S06	Tuesday, March 24 09:00 - 09:40
Verani, Marco	MS2	Monday, March 23 18:10 - 18:30
Vexler, Boris		
Viellieber, Mathias	S10	Tuesday, March 24 18:10 - 18:30
Vigdorovich, Igor	S10	Friday, March 27 10:40 - 11:00
Vinti, Gianluca		
Vitolo, Raffaele		
Vogt, Hendrik	S23	Tuesday, March 24 10:40 - 11:00
Voigt, Matthias	S20	Thursday, March 26 09:40 - 10:00
Völlmecke, Christina	S04	Friday, March 27 09:00 - 09:20
von Hoegen, Markus	S02	Wednesday, March 25 14:40 - 15:00
von Wagner, Utz	S05	Tuesday, March 24 16:50 - 17:10

Vossen, Georg	S19	Thursday, March 26 10:40 - 11:00
Vrdoljak, Marko	S19	Thursday, March 26 09:40 - 10:00

W

Wachsmuth, Gerd	YRMS3	Monday, March 23 18:10 - 18:30
Wackerfuß, Jens		
Wagner, Arndt	S02	Wednesday, March 25 17:50 - 18:10
Wagner, Paul	S08	Friday, March 27 12:10 - 12:30
Waimann, Johanna	S06	Thursday, March 26 10:00 - 10:20
Wall, Wolfgang	MS5	Monday, March 23 18:10 - 18:30
Wallaschek, Jörg		
Wallenta, Daniel		
Walz, Nico-Philipp	S01	Thursday, March 26 10:40 - 11:00
Wang, Zhibin	S03	Wednesday, March 25 14:40 - 15:00
Waurick, Marcus	S23	Wednesday, March 25 17:10 - 17:30
Weber, Wolfgang	S12	Tuesday, March 24 17:50 - 18:10
Wedig, Walter	S15	Tuesday, March 24 16:30 - 17:10
Weinmann, Andreas		
Weißgraeber, Philipp	S03	Tuesday, March 24 16:50 - 17:10
Welker, Kathrin	S19	Wednesday, March 25 14:20 - 14:40
Wensch, Jörg	S22	Thursday, March 26 18:10 - 18:30
Wenzel, Arne	S12	Tuesday, March 24 16:50 - 17:10
Werner, Daniel	S02	Wednesday, March 25 18:10 - 18:30
Weymuth, Monika	S18	Friday, March 27 09:20 - 09:40
Wick, Thomas	S19	Thursday, March 26 10:00 - 10:20
Widany, Kai-Uwe	S18	Friday, March 27 09:00 - 09:20
Wiebe, Maria	S18	Thursday, March 26 09:40 - 10:00
Wieners, Christian	S18	Thursday, March 26 09:00 - 09:40
Wingen, Marius	S07	Wednesday, March 25 17:10 - 17:30
Winkelmann, Jan	S17	Wednesday, March 25 14:40 - 15:00
Winkler, Robert	S04	Friday, March 27 09:20 - 09:40
Winters, Andrew	S18	Wednesday, March 25 14:00 - 14:40
Wojtylak, Michal	S23	Wednesday, March 25 18:10 - 18:30
Wolfmayr, Monika	S19	Friday, March 27 10:40 - 11:00
Wollner, Winnifried	S19	Wednesday, March 25 15:20 - 15:40
Wollny, Ines	S07	Tuesday, March 24 09:20 - 09:40

Wriggers, Peter Wulfinghoff, Stephan Wünsch, Olaf	S03	Thursday, March 26 16:30 - 16:50

X

Xu, Bai-Xiang	YRMS2	Monday, March 23 17:30 - 18:00

Y

Yanakieva, Ana	S06	Wednesday, March 25 18:10 - 18:30
Yang, Yinping	S01	Tuesday, March 24 10:20 - 10:40
Yevdokymov, Dmytro	S18	Friday, March 27 10:20 - 10:40
Yi, Min	S07	Wednesday, March 25 16:50 - 17:10
York Duran, José	S04	Wednesday, March 25 17:30 - 17:50

Z

Zampogni, Luca Zavarise, Giorgio	S21	Thursday, March 26 17:30 - 17:50
Zeller, Sebastian	S06	Friday, March 27 12:10 - 12:30
Zerbe, Patrick	S06	Friday, March 27 10:40 - 11:00
Zhao, Ying	S07	Tuesday, March 24 16:50 - 17:10
Ziegler, Pascal	S02	Thursday, March 26 10:00 - 10:20
Zimmermann, Christopher	S04	Tuesday, March 24 10:40 - 11:00
Zinatbakhsh, Seyedmohammad	S07	Thursday, March 26 09:40 - 10:00
Zonta, Francesco	S11	Thursday, March 26 10:40 - 11:00
Zuazua, Enrique	PLL	Tuesday, March 24 14:00 - 15:00
Zuyev, Alexander	S20	Friday, March 27 11:50 - 12:10
Zwicke, Florian	S22	Friday, March 27 09:40 - 10:00