Monday 20

8:45	9:00	**Opening remarks (Amphitheater)**	
9:00	10:00	**Plenary talk (Amphitheater, Chair : Helmut Pottmann)**	
9:00	10:00	Johannes Wallner, TU Graz	Computing with isometries and developable surfaces
10:00	10:30	**Coffee break (Lobby)**	
10:30	12:35	**Minisymposium 1 - Nonlocal and Geometric Data Analysis (Amphitheater, Chair : Daniel Tenbrinck)**	
10:30	10:55	Sren Dittmer, Cambridge University	Provably convergent deep learning-based methods for imaging (...)
10:55	11:20	Simon Masnou, Institut Camille Jordan	Learning mean curvature flows with neural networks
11:20	11:45	Leon Bungert, Hausdorff Center for Mathematics	The Geometry of Adversarial Training
11:45	12:10	Hugo Raguet, LIFAT	Cut Pursuit and Geometric Applications
12:10	12:35	Daniel Tenbrinck, Univ. Erlangen-Nurnberg	Variational Graph Methods for Efficient Point Cloud Sparsification
10:30	12:35	**Minisymposium 2 - Random matrices and approximation using function values (Room A, chair Mario Ullrich)**	
10:30	10:55	Mathias Sonnleitner, University of Graz	The power of random information for function approximation on manifolds
10:55	11:20	David Krieg - RICAM Linz	Sampling recovery in L_2
11:20	11:45	Matthieu Dolbeault, Laboratoire Jacques-Louis Lions	Weighted least-squares approximation in expected L^2 norm
11:45	12:10	Simone Brugiapaglia, Concordia University	Life beyond orthogonality: Sparse recovery in randomly sampled (...)
12:10	12:35	Robert J. Kunsch, RWTH Aachen University	How much randomness is needed for high-confidence Monte Carlo (...)
10:30	12:35	**Contributed session 1 - Optimization (Room C, Chair : Pierre Ablin)**	
10:30	10:55	Thomas Yu, Drexel University	Symmetry and Saddle Points in the Numerical Solutions of Geometric (...)
10:55	11:20	Scott Pesme, EPFL	Implicit Bias of SGD for Diagonal Linear Networks: a Provable Benefit (...)
11:20	11:45	Oleh Melnyk, TU Munich	On gradient-based methods for ptychography
11:45	12:10	Jean-Jacques Godeme, GREYC	Provable Phase retrieval via Mirror descent
12:10	12:35	Thomas Moreau, INRIA	SHINE: SHaring the INverse Estimate for bi-level optimization
10:30	12:35	**Contributed session 2 - Splines (Room B, Chair : Thomas Sauer)**	
10:30	10:55	Jean-Louis Merrien, IRMAR	C1 Simplex--Splines on Simplices in R^s$.
10:55	11:20	Ognyan Kounchev, Ognyan Kounchev	Error estimates for harmonic and biharmonic interpolation splines with (...)
11:20	11:45	Sandra Merchel, MTU Aero Engines AG	Fast Formation of Matrices for Least-Squares Fitting by Tensor-Product (...)
11:45	12:10	Fabian Rainouard, Université de Grenoble Alpes	Optimization of Curves Distributions Intersections for a Near to Eye (...)
12:10	12:35	Sofia Imperatore, University of Florence	Learning spline parameterization for noisy data fitting
12:35	12:45	Jean-Louis Merrien, IRMAR	Souvenirs avec Paul Sablonniere

12:35	14:30	**Lunch**	
14:30	15:30	**Plenary talk (Amphitheater, Chair : Tino Ullrich)**	
14:30	15:30	Michael Griebel, Universität Bonn	Generalized sparse grid methods and applications
15:30	16:00	**Coffee break (Lobby)**	
16:00	18:30	**Minisymposium 3 - Sparsity, optimization and learning (Amphitheater, Chair : Clarice Poon)**	
16:00	16:25	Laurent Jacques, INMA, ICTEAM, UCLouvain	Asymmetric compressive learning guarantees with applications to (...)
16:25	16:50	Stephen Becker, University of Colorado Boulder	High-probability Convergence Bounds for Non-convex Stochastic (...)
16:50	17:15	Quentin Bertrand, Université de Montréal	Implicit differentiation for fast hyperparameter selection in non-smooth (...)
17:15	17:40	Antonio Silveti-Falls, Toulouse School of Economics	Nonsmooth Implicit Differentation for Machine Learning
17:40	18:05	Yifan Sun, Stony Brook University	Continuous Time Frank-Wolfe Does Not Zig-Zag, But Multistep Methods (...)
18:05	18:30	Clarice Poon, University of Bath	Smooth re-parametrizations for sparse regularization
16:00	18:30	**Minisymposium 4 - Advances in IGA and its applications (Room A, Chair : Deepesh Toshniwal)**	
16:00	16:25	David Gunderman, Purdue University	Advances in patient-specific IGA-based cardiovascular simulation
16:25	16:50	Hendrik Speleers, University of Rome Tor Vergata	Optimal spline subspaces for outlier-free isogeometric analysis
16:50	17:15	Francesco Patrizi, Max-Planck	Isogeometric de Rham complex discretization in solid toroidal domains
17:15	17:40	Michelangelo Marsala, Inria, Aromath	Geometrically Smooth Splines for IGA
17:40	18:05	Deepesh Toshniwal - Delft Institute of Applied Mathematics	Almost-C1 splines
16:00	18:30	**Contributed session 3 - Imaging (Room B, Chair : Gabriele Steidl)**	
16:00	16:25	Thomas Laporte, Université Côte d'Azur	Manifold rewiring for unlabeled imaging in large noise
16:25	16:50	Raphaël Groscot, CEREMADE	Deformable Voxel Grids
16:50	17:15	Tomas Sauer, University of Passau & Fraunhofer IIS	Image Processing for Large Volume Data in Sparse Representations
17:15	17:40	Valentin Debarnot, University of Basel	Manifold rewiring for unlabeled imaging in large noise
17:40	18:05	Laurent Condat, King Abdullah University of Science and Technology	Tikhonov Regularization of Circle-Valued Signals
18:05	18:30	Simone Cammarasana, Ist. Matematica Applicata e Tecnologie	A General Framework for Smoothing Arbitrary Signals in Computer (...)
16:00	18:30	**Contributed session 4 - CAGD (Room C, Chair : Caroline Moosmueller)**	
16:00	16:25	Henrik Schumacher, Chemnitz University of Technology	Repulsive Curves and Surfaces
16:25	16:50	Yoonae Song, Dongguk University, Korea	G1 Hermite interpolation method for spatial PH curves over planar PH curves
16:50	17:15	Andriamahenina Ramanantoanina, Universita della Svizerra italiana	New shape control tools for rational Bézier curve design
17:15	17:40	Salim Taleb, Laboratoire de Matériaux Céramiques et de Mathématiques	Planar Polynomial PH Curves revisited
17:40	18:05	Jan Vrsek, University of West Bohemia	Pythagorean-hodograph projections of spatial polynomial curves
18:05	18:30	Kai Hormann, Universit· della Svizzera Italiana	Singular cases of planar and spatial C1 Hermite interpolation problems (...)
18:30	20:30	**Welcome cocktail (Lobby)**	

Tuesday 21

9:00	10:00	**Plenary talk (Amphitheater, Chair : Jean-François Aujol)**	
9:00	10:00	Gabriele Steidl, TU Berlin	Approximation of Measures by Measures supported on Curves
10:00	10:30	**Coffee break (Lobby)**	
10:30	12:35	**Minisymposium 5 - Greedy and sparse approximation (Amphitheater, Chair: Gustavo Garrigos)**	
10:30	10:55	Vladimir Temlyakov, University of South Carolina	Greedy algorithms in numerical integration
10:55	11:20	Simon Foucart, Texas A&M	On LASSO-type Regularizations and Sparsity of their Minimizers
11:20	11:45	Tino Ullrich - Chemnitz University of Technology	Constructive sparsification of finite frames with application in optimal (...)
11:45	12:10	Eugenio Hernandez, Universidad Autonoma de Madrid	Results for the Weak Chebyshev Greedy Algorithm in Banach spaces
12:10	12:35	~~Jose L Ansorena, Universidad de La Rioja~~	~~Lebesgue-type inequalities in greedy approximation with respect to bases~~
10:30	12:35	**Minisymposium 6 - Advances in phase retrieval (Room A, Chair: Rima Alaifari)**	
10:30	10:55	Lukas Liehr, University of Vienna	Infinite-dimensional STFT phase retrieval from lattice samples: (...)
10:55	11:20	Philippe Jaming, Institut de MathÈmatiques de Bordeaux	Uniqueness of phase retrieval from three measurements
11:20	11:45	Matthias Wellershoff, ETH Zurich	Phase retrieval of entire functions
11:49	12:10	Cheng Cheng, Sun Yat-Sen University	Stable Phase Retrieval from Locally Connected Measurements
12:10	12:35	~~Rima Alaifari, ETH Zürich~~	~~On Gabor phase retrieval from samples~~
10:30	12:35	**Contributed session 5 - Partial Differential Equations (Room B, Chair : Ujué Etayo)**	
10:30	10:55	Tizian Wenzel, University of Stuttgart	Adaptive meshfree solving of linear PDEs: Analysis of target-data (...)
10:55	11:20	André Galligo, Université Côte d'Azur, INRIA, LJAD	Comparison of 2 PDE models for anisotropic non local interactions in 2D
11:20	11:45	Josua Sassen - University of Bonn	A Phase-field Approach to Variational Hierarchical Surface Segmentation
11:45	12:10	Jacob Blazejewski - Michigan Technological University	A Stable Method for Discretizing Differential Operators on Curves and (...)
12:10	12:35	Agustin Somacal, Laboratoire Jacques-Louis Lions	Edge adaptive methods and machine learning for high-resolution image (...)
10:30	12:35	**Contributed session 6 - Isogeometric Analysis (Room C, Chair : Hendrik Speleers)**	
10:30	10:55	Teymur Heydarov, Heydarov	An algorithm for the unrefinement of domain parameterizations in (...)
10:55	11:20	Thomas Takacs, Johann Radon Institute	Approximate C1-smoothness for isogeometric analysis over multi-patch (...)
11:20	11:45	Francesca Pelosi, Université Tor Vergata	Isogeometric Immersed Methods
11:45	12:10	Bert Juettler, Johannes Kepler University, Linz/Austria	THB-spline projectors based on restricted hierarchical spline fitting and (...)
12:10	12:35	Philipp Langgruber, JKU - Linz	Topologically Unrestricted Isogeometric Splines on Multi-Patch (...)

12:35	14:30	**Lunch**	
14:30	15:30	**Plenary talk (Amphitheater, Chair: Irène Kaltenmark)**	
14:30	15:30	Yaron Lipman, Weizmann Institute and Meta Research	Designing Invariant and Equivariant Neural Networks
15:30	16:30	**Poster session (Lobby)**	
15:30	16:30	Mohamed-Yassir Nour - Univ. Lorraine	A new family of non-uniform subdivision scheme with two tension and (...)
15:30	16:30	Zeze Zhang - University of Alberta	Convergence analysis of Hermite subdivision schemes of any arity
15:30	16:30	Thomas Laporte - Université Côte d'Azur	Algorithm for the modelling of the lung/bronchial tree coupling customised
15:30	16:30	Mathieu Dagréou - Inria	A framework for bilevel optimization that enables stochastic and global (...)
15:30	16:30	Olivier Truffinet - CEA/SERMA/LPEC	A new max-based compression algorithm for surrogate modelling. (...)
15:30	16:30	Jinyoung Kim, Ewha Womans University, Seoul, South Korea	A shape-preserving C2 stationary subdivision schemes with the (...)
15:30	16:30	Javier Sánchez-Reyes - IMACI	A streamlined NURBS-based workflow for precise Additive Manufacturing
15:30	16:30	Alicia Cantón - Universidad Politécnica de Madrid,	Aesthetic planar curves
15:30	16:30	Roberto Cavoretto - University of Turin	An adaptive residual sub-sampling algorithm for kernel interpolation (...)
15:30	16:30	Caleb Jacobs - University of Colorado	An RBF-FD Method for Solving Partial Differential Equations on (...)
15:30	16:30	~~Valentin Debarnot - University of Basel~~	~~Blind inverse problems with isolated spikes~~
15:30	16:30	Salah Eddargani - Hassan First University of Settat,	C^2 quartic splines on mixed macro-structures
15:30	16:30	Pierre-Louis Antonsanti - MAP5	Diffeomorphic Deformations and Topological Changes for Trees of 3D Curves
15:30	16:30	Pedro López-Gómez - Universidad de Cantabria	Distributing points on the real projective plane
15:30	16:30	Filip Chudy - Institute of Computer Science, University of Wrocław	Efficient evaluation of Bézier-type objects and their derivatives
15:30	16:30	George Tzagkarakis - University of Bordeaux	Energy-Preserving Hamiltonian Neural Networks for Stock Price Forecasting
15:30	16:30	Lisa Groiss - Johannes Kepler University Linz	Exploring refinement strategies for locally linear independent LR B-splines
15:30	16:30	Soo Hyun Kim - Sungkyunkwan University	Gauss-Legendre polynomial for the shape control of parametric curves
15:30	16:30	Raphaël Barboni - ENS Paris	Gobal convergence of ResNets: From finite to infinite width using (...)
15:30	16:30	~~Hanane Dalimi - University Hassan II Casablanca~~	~~Image Segmentation Using Hidden Markov Models and convolutional (...)~~
15:30	16:30	Qingjun Chang - Universitá della Svizzera Italiana	Iterative coordinates
15:30	16:30	Elodie Maignant - Université Côte d'Azur,	Looking for invariance in Locally Linear Embedding
15:30	16:30	Jiri Minarcik - Czech Technical University in Prague	Minimal Surface Generating Flow
15:30	16:30	Mariantonia Cotronei - Mariantonia Cotronei	Multiple Multiresolution Analysis for Image Compression
15:30	16:30	Sébastien Herbreteau - SERPICO Project-Team Inria	NL-Ridge: a novel statistical patch-based approach for image denoising
15:30	16:30	Florian Beier - Technische Universität Berlin	On a linear Gromov-Wasserstein distance
15:30	16:30	Stephanie Jehan-Besson - CNRS	Optimization of a mutual shape based on the FrÈchet-Nikodym metric (...)
15:30	16:30	Florentin Goyens - Paris Dauphine	Point cloud registration for algebraic varieties using Riemannian optimization
15:30	16:30	Alban Gossard - Institut de Mathématiques de Toulouse	Spurious minimizers in non uniform Fourier sampling optimization
15:30	16:30	Nuha Diab - Tel-Aviv University, Israel	Super-resolution of generalized spikes and spectra of confluent (...)
15:30	16:30	Philémon Beghin - Inst. of Information and Communication Technologie	Using photogrammetry for the objective study of ancient bowed(...)
15:30	16:30	Michelangelo Marsala - Université Côte d'Azur	G1 smooth Biquintic Approximation of Catmull-Clark Subdivision Surfaces
15:30	16:30	Rania Sefti - University Mohammed I, Morocco	Deep Network Multi-Spline Approximation Method

Tuesday 21 afternoon (cont.)

16:30	19:40	**Minisymposium 7 - Advances in subdivision and applications (Amphitheater, Chair: Costanza Conti)**	
16:30	16:55	Nira Dyn - Tel Aviv University (talk delivered by Costanza Conti)	Multivariate Up-like Functions
16:55	17:20	Jungho Yoon - Ewha Womans University	A shape preserving C2 non-linear, non-uniform, subdivision scheme (...)
17:20	17:45	Lucia Romani - Universitá di Bologna	Dual subdivision and interpolation
17:45	18:10	Nir Sharon - Tel Aviv	Multiscaling manifold-valued data via approximation subdivision schemes
18:10	18:35	Caroline Moosmueller - University of California, San Diego	A factorization framework for Hermite subdivision schemes reproducing (...)
18:35	19:00	Mejstrik Thomas - University of Vienna	A novel algorithm to compute the joint spectral radius - Feta flavoured Ipa
19:00	19:25	Hartmut Prautzsch - Karlsruhe Institute of Technology	Cutting convex poyhedra
19:25	19:40	Costanza Conti - University of Florence, Italy	Memorial words on Maria Charina
16:30	19:25	**Minisymposium 8 - Advances PH curves and PN surfaces (Room A, Chair: Marjeta Knez)**	
16:30	16:55	Alessandra Sestini - Università degli Studi di Firenze	Interpolation of 3D data streams with C^2 PH quintic splines
16:55	17:20	Maria Lucia Sampoli - University of Siena	Construction of G^2 Hermite interpolants with prescribed arc lengths
17:20	17:45	Gudrun Albrecht - Universidad Nacional de Colombia, Sede MedellÌn	Design by planar and spatial PH B-Spline curves
17:45	18:10	Hwan Pyo Moon - Dongguk University, Korea	Hodograph based shape control for polynomial curves
18:10	18:35	Miroslav Lavicka - University of West Bohemia	Surfaces with polynomial area element and related topics
18:35	19:00	Emil Žagar - Faculty of mathematics and physics, University of Ljubljana	Construction of polynomial minimal surfaces with Pythagorean normals
19:00	19:25	Zbynek Sir - Charles University Prague	Polynomiality vs. rationality of Pythagorean hodograph/normal curves (...)
16:30	19:25	**Contributed session 7 - Approximation (Room B, Chair : Michael Floater)**	
16:30	16:55	Charles Poussot-Vassal - ONERA, Université de Toulouse	Identifying the non-trivial zeros of the Riemann zeta function for prime (...)
16:55	17:20	Laurent Baratchart - Inria Sophia Antipolis	Lower bounds in rational approximation to delays
17:20	17:45	Henrik Eisenmann - Max Planck Institute for Mathematics in the Sciences	Maximum relative distance between real rank-two and rank-one tensors
17:45	18:10	Thomas Jahn - Chemnitz University of Technology	On the optimal constants in the two-sided Stechkin inequalities
18:10	18:35	Peter Binev - University of South Carolina (UofSC)	Optimal Learning
18:35	19:00	Konstantin Usevich - Centre de Recherche en Automatique de Nancy	Robust Eigenvectors of Symmetric Tensors
16:30	19:00	**Contributed session 8 - Sampling (Room C, Chair : Michael Griebel)**	
16:30	16:55	Laura Lippert - Chemnitz University of Technology	High-dimensional hyperbolic wavelet regression using low-dimensional (...)
16:55	17:20	Fabian Taubert - Chemnitz University of Technology	The uniform sparse FFT with application to PDEs with random coefficients
17:20	17:45	Ferizović Damir - KULeuven	Spherical cap discrepancy of perturbed lattices under the Lambert projection
17:45	18:10	Abdellah Chkifa - Université Mohammed VI Polytechnique	Lattices enumeration via linear programming
18:10	18:35	Philipp Trunschke - Nantes Université	The local sample complexity of non-linear least squares approximation
18:35	19:00	~~Wen-shin Lee - University of Stirling~~	~~Symbolically separable low-dimensional nonlinear least squares~~

Wednesday 22

9:00	10:00	**Plenary talk (Amphitheater, Chair : Ed Saff)**	
9:00	10:00	Jean Bernard Lasserre - LAAS-CNRS-IMT	Moments, positive polynomials and the Christoffel function
10:00	10:30	**Coffee break (Lobby)**	
10:30	13:00	**Minisymposium 9 - Interactive Simulation (Amphitheater, Chairs: Klaus Hildebrandt and Jorg Peters)**	
10:30	10:55	Jérémie Allard - InSimo	Visual Haptic Feedback for Training of Robotic Suturing
10:55	11:20	Barbic Jernej - University of Southern California	Virtual Assembly Using Haptic Force-Feedback Rendering
11:20	11:45	Miguel Otaduy - Universidad Rey Juan Carlos	Subspaces for Simulation of Deformations and Contact
11:45	12:10	Martin Komaritzan - Dortmund University	Physics-Based Character Animation in Real-Time
12:10	12:35	Mélina Skouras - Anima	Direct (and inverse) modeling of inflatables and other wrinkled thin shells
12:35	13:00	Jorg Peters - University of Florida	Computing with trivariate splines on irregular meshes
10:30	12:35	**Minisymposium 10 - Point configurations on curves and surfaces and related energy problems (Room A, Chairs: Doug Hardin and Alex Vlasiuk)**	
10:30	10:55	Ed Saff - Vanderbilt University	On the solution of a Riesz equilibrium problem and integral identities (...)
10:55	11:20	Betermin Laurent - Institut Camille Jordan	Effect of Periodic Arrays of Defects on Lattice Energy Minimizers
11:20	11:45	Ujué Etayo - Universidad de Cantabria	A use of the generalized Hopf bration in minimal energy problems
11:45	12:10	Pierre Alliez - Inria Sophia Antipolis	From Delaunay to Curved Optimal Delaunay Triangulations
12:10	12:35	Johann Brauchart - Graz University of Technology	Spherical Fibonacci Points: Hyperuniformity, and more
12:35	13:00		
10:30	13:00	**Contributed session 9 - Learning (Room B, Chair : Rachel Ward)**	
10:30	10:55	Antoine Gonon - Univ Lyon, ENS de Lyon	Approximation speed of quantized vs. unquantized ReLU neural (...)
10:55	11:20	Matthias Hermann - University of Applied Sciences Konstanz	Fast and memory-efficient independent component analysis using (...)
11:20	11:45	Nicholas Marshall - Princeton University	Wasserstein distance, the Witten Laplacian, and Applications
11:45	12:10	Varun Khurana - San Diego	Supervised learning of sheared distributions using linearized optimal (...)
12:10	12:35	Thibault Sejourne - Departement de Mathematiques et Applications	The Unbalanced Gromov-Wasserstein distance
10:30	13:00	**Contributed session 10 - CAGD (Room C, Chair : Rida Farouki)**	
10:30	10:55	Victor Ceballos Inza - King Abdullah University of Science and Technology	Discrete Developable Meshes
10:55	11:20	Florian Rist - King Abdullah University of Science and Technology	Interactive Design with Developable Surfaces
11:20	11:45	Peter Salvi - Budapest University of Technology and Economics	Multi-sided surfaces interpolating arbitrary boundaries with intuitive (...)
11:45	12:10	Delgado Jorge - Universidad de Zaragoza	q-Bernstein bases over triangular domains
12:10	12:35	Kokou Dotse - ONERA / DTIS	Quadrilateral mesh create from a given cross field
12:35	13:00	Rajain Kanika - BCAM	Curve-guided 5-axis CNC flank milling of free-form surfaces using (...)
19:00	22:00	**Optional boat excursion and sunset dinner cocktail**	

Thursday 23

9:00	10:00	**Plenary talk (Amphitheater, Chair : Virginie Ehrlacher)**	
9:00	10:00	Rachel Ward, University of Texas at Austin	Concentration for random matrix products, with applications
10:00	10:30	**Coffee break (Lobby)**	
10:30	12:35	**Minisymposium 11 - Approximation and deep network (Amphitheater, Chair: Johannes Schmidt-Hieber)**	
10:30	10:55	Sophie Langer, University of Twente	Image classification: A (new) statistical viewpoint
10:55	11:20	Dennis Elbrächter, ETH Zurich	Intrinsic versus extrinsic dimensionality of ground truths
11:20	11:45	Matus Telgarsky, University of Illinois	Alignment and convergence of kernels in deep learning
11:45	12:10	Michael E. Sander - ENS Paris	Momentum Residual Neural Networks
12:10	12:35	Johannes Schmidt-Hieber, University of Twente	The Kolmogorov-Arnold representation theorem revisited
10:30	12:35	**Minisymposium 12 - Optimization on manifolds (Room A, Chair: Nicolas Boumal)**	
10:30	10:55	Bart Vandereycken, Department of Mathematics, University of Geneva	Revisiting Riemannian optimization for the symmetric eigenvalue problem
10:55	11:20	Aurelien Lucchi, University of Basel	A continuous-time perspective for modeling acceleration in (...)
11:20	11:45	Christopher Criscitiello, EPFL	Negative curvature obstructs acceleration for geodesically convex (...)
11:45	12:10	Bamdev Mishra, Microsoft	Riemannian optimization tools for optimal transport
12:10	12:35	Pierre Ablin, LAMSADE	Fast and accurate optimization on the orthogonal manifold without (...)
10:30	12:35	**Contributed session 11 - Multiresolution (Room B, Chair : Kai Hormann)**	
10:30	10:55	Tatyana Zaitseva, Lomonosov Moscow State University	Bear subdivision schemes for modeling smooth surfaces
10:55	11:20	Hofit Ben Vardi, Tel Aviv	Geometric Hermite Interpolation
11:20	11:45	Wolfgang Erb, University of Padova	Graph Wedgelets: an Adaptive Tool for Data Compression on Graphs (...)
11:45	12:10	Michelle Michelle, University of Alberta	Wavelets on intervals derived from arbitrary compactly supported (...)
12:10	12:35	Sergio LÛpez-UreÒa, Universitat de Valencia	Non-oscillatory surfaces generation using subdivision schemes
10:30	12:35	**Contributed session 12 - Approximation (Room C, Chair : Peter Binev)**	
10:30	10:55	Marriaga Misael E., Universidad Rey Juan Carlos	Sobolev approximation on the ball
10:55	11:20	Cesare Bracco, University of Florence	Discontinuity indicators based on null rules for non-regular surface (...)
11:20	11:45	Paola Lamberti, Department of Mathematics, University of Torino	Modified Bernstein operator and new generalizations of Bézier curves
11:45	12:10	Teresa E. PÈrez, IUniversity of Granada (Spain)	On Bernstein-type operators preserving derivatives
12:10	12:35	Michael Floater, University of Oslo	On the monotonicity of generalized barycentric coordinates on convex (...)

12:35	14:30	**Lunch**	
14:30	15:30	**Plenary talk (Amphitheater, Chair : Quentin Merigot)**	
14:30	15:30	Keenan Crane, CMU	Geometry Processing with Intrinsic Triangulations
15:30	16:30	**Poster session (Lobby)**	
16:30	19:25	**Minisymposium 13 - High dimensional approximation and PDEs (Amphitheater, Chair: Anthony Nouy)**	
16:30	16:55	Virginie Ehrlacher - CERMICS	Influence of Monte-Carlo sampling on the convergence rates of greedy (...)
16:55	17:20	André Uschmajew - Max Planck	Dynamical low-rank approximation for parabolic problems
17:20	17:45	Martin Eigel - WIAS	Empirical adaptive Galerkin FEM for parametric PDEs
17:45	18:10	Michael Feischl - TU Wien	Convergence of adaptive stochastic collocation with finite elements
18:10	18:35	Jakob Zech - Heidelberg	Analyticity and sparsity in uncertainty quantification for PDEs with (...)
18:35	19:00	Anthony Nouy - Laboratoire de Mathématiques Jean Leray	Approximation classes of tree tensor networks
16:30	19:25	**Minisymposium 14 - Optimal transport, shape analysis (Room A, Chair: François-Xavier Vialard)**	
16:30	16:55	Hugo Lavenant - Bocconi University	Inferring cell dynamics by learning curves valued in the Wasserstein space
16:55	17:20	Alice Le Brigant - SAMM	Fisher information geometry of beta and Dirichlet distributions
17:20	17:45	Irène Kaltenmark - MAP5	Démantèlement des métriques d'espaces de varifolds pour (...)
17:45	18:10	Nicolas Guigui - Inria	Parallel transport for cardiac motion modeling: exploration of relative (...)
18:10	18:35	Julius Lohmann - University of Munster	Convexification of branched transport
18:35	19:00	Jean Feydy - Inria Paris-Rocquencourt	Computational optimal transport: mature tools and open problems
19:00	19:25	Bernhard Schmitzer - Uni Goettingen	The Linearized Hellinger-Kantorovich Distance
16:30	19:25	**Contributed session 13 - Geometry (Room B, Chair : Carla Manni)**	
16:30	16:55	Jonas Tervooren, Tervooren, Jonas	Conical Surfaces
16:55	17:20	Hui Wang - King Abdullah University of Science and Technology	Designing asymptotic geodesic hybrid gridshells
17:20	17:45	Carlos Hermoso - Universidad de Alcalá	Detecting projective equivalences of planar curves birational to elliptic (...)
17:45	18:10	Juan Gerardo Alcazar - Universidad de Alcalá	Projective equivalences and Mu-bases of rational curves in any dimension.
18:10	18:35	Felix Dellinger, Vienna University of Technology	A checkerboard pattern approach to isothermic surfaces
18:35	19:00	Helmut Pottmann - King Abdullah University of Science and Technology	Surfaces with a constant ratio of principal curvatures
19:00	19:25	Uğur Gözütok, Karadeniz Technical University	Projective equivalences of rational algebraic space curves using (...)
16:30	19:25	**Contributed session 14 - Sampling (Room C, Chair : Paul Catala)**	
16:30	16:55	Chiara Romanengo - CNR-IMATI	Recognition and approximation of space curves on 3D digital models
16:55	17:20	Aurelian Bejancu - Kuwait University	Cardinal and semi-cardinal interpolation with Matèrn kernels
17:20	17:45	Melanie Kircheis - Chemnitz University	Direct inversion methods for the multivariate nonequispaced fast (...)
17:45	18:10	Francesco Marchetti - Università degli Studi di Padova	From (β,γ)-Chebyshev functions of the interval to (β,γ)-Lissajous curves (...)
18:10	18:35	Simon Barthelmé - Grenoble	Gaussian Processes in the Flat Limit
18:35	19:00	Barak Sober - Hebrew University	Non-Parametric Estimation of Manifolds from Noisy Data

Friday 24

9:00	11:05	**Minisymposium 15 - Deep learning in geometry processing (Amphitheater, Chair: Gabriel Peyré)**	
9:00	9:25	Maks Ovsjanikov - Ecole Polytechnique	Efficient and robust learning on non-rigid surfaces
9:25	9:50	Maron Haggai - Nvidia Research	Equivariant Subgraph Aggregation Networks
9:50	10:15	Sara Hahner - University of Bonn	Learning Deformation Patterns of Surface Meshes of Different Sizes
10:15	10:40	Roy Velich - Technion	Learning Scale Invariant Signatures for Planar Curves
10:40	11:05	Felix Scholz, Johannes Kepler University Linz	Locally refined quad meshing based on convolutional neural networks
9:00	11:05	**Minisymposium 16 - Graphs embedded on surfaces (Room A, Chair: Arnaud de Mesmay)**	
9:00	9:25	Hsien-Chih Chang - Dartmouth College	Linear-size $\e$-Emulators for Planar Graphs
9:25	9:50	Cabello Sergio - University of Ljubljana	Distance related problems in planar graphs and graphs on surfaces
9:50	10:15	Arnaud de Mesmay, CNRS, LIGM	Short topological decompositions of non-orientable surfaces
10:15	10:40	Tim Ophelders - Utrecht University	Minimum Height Drawings of Ordered Trees in Polynomial Time (...)
10:40	11:05	Francis Lazarus - CNRS	A tour of algorithms for curves on surfaces
9:00	11:05	**Contributed session 15 - Sampling (Room B, Chair : Blanche Buet)**	
9:00	9:25	Yann Traonmilin - Univ. Bordeaux	A framework for optimal convex regularization for the recovery of (...)
9:25	9:50	Paul Catala - University of Osnabrück	Approximating Singular Measures on the Torus with Moment Polynomials
9:50	10:15	Dmitry Batenkov - Tel Aviv University	Super-resolution on compact manifolds
10:15	10:40	Dominik Mokriš - MTU Aero Engines AG	Low-rank approximation of least squares fitting with bivariate (...)
10:40	11:05	Chiara Fuda, Universitá della Svizzera Italiana	On the numerical stability of barycentric rational interpolation
9:00	11:05	**Contributed session 16 - Splines (Room C, Chair : Gudrun Albrecht)**	
9:00	9:25	Jean Michel Menjanahary - Vilnius university	Dupin cyclide spline surfaces of arbitrary topology
9:25	9:50	Rosanna Campagna - University of the Study of Campania Luigi Vanvitelli	Hyperbolic-polynomial penalized splines: existence, uniqueness, and (...)
9:50	10:15	Jiri Kosinka - University of Groningen	Numerical Quadrature for Quadrilateral Gregory Patches
10:15	10:40	Tatiana Kravetc - The Arctic University of Norway	Properties and applications of polygonal blending splines
10:40	11:05	Arne Lakså - The Arctic University of Norway	Spline based techniques to make any parametric curve / surface editable
11:05	11:30	**Coffee break (Lobby)**	
11:30	12:30	**Plenary talk (Amphitheater, Chair : Dany Leviatan)**	
11:30	12:30	Rida Farouki - University of California , Davis	Global constraints in Hermite interpolation problems
12:30	12:40	**Closing remarks (Amphitheater)**	