Wednesday June 26, Afternoon Session

Time	Auditorium 1	Auditorium 2
11.00	Registration outside lecture halls	
12.00	Lunch outside lecture halls	
12.50	Opening	
	Chair: Tom Lyche	
13.00	Invited Talk: Spline approximation: The blessing of smoothness and outlier-free isogeometric analysis *H. Speleers*	
14.00	Break	
	Bézier, CAD *Chair: Hendrik Speleers*	**Scattered data** *Chair: Jiri Kosinka*
14.20	Fast evaluation of derivatives of Bézier curves *F. Chudy*	Enhancing Surface Reconstructions from Scattered Datasets: Jump Estimates and Quasi-Interpolation with LR B-splines *F. Patrizi*
14.40	A novel method for manipulating polynomial curves by the Gauss–Legendre control polygon with points interpolating property *S-H Kwon*	Improving ANOVA Approximation with anisotropy Parameters *P. Schroter*
15.00	Recent developments in genuine multi-sided surface representation and editing *M. Vaitkus*	Alternating and joint surface approximation with THB-splines: results and industrial perspective *D. Mokriš*
15.20	Approximation and Envelope Computation using Polygon Rolling Motions *J. Vráblíková*	Data-driven parameterization for adaptive spline fitting *S. Imperatore*
15.40	A practical implementation of lofted surfaces using Lagrange interpolation and blending *T.E. Henriksen*	Spectra alignment of kernel matrices and applications *T. Wenzel*
16.00	Coffee	
	Machine learning etc. *Chair: Anders Hansen*	**Geometry** *Chair: Georg Muntingh*
16.20	Meshless Quadrature Formulas Arising from Numerical Differentiation *B. D. Esposti*	A new class of flexible nets in isotropic geometry *P. Olimjoni*
16.40	Error Bounds for Meshless Quadrature Formulas *O. Davydov*	Smooth Surfaces of Low Degree *J. Peters*
17.00	Haar Framelets on Spheres and Graphs: Construction and Applications *X. Zhuang*	A deformation technique for curves, surfaces and volume *A. Lakså*
17.20	Approximation of Functions from Korobov Spaces by Shallow ReLU Neural Networks *Y. Liu*	Isotropic Geometry and Applications in Geometric Computing *K. Yorov*
17.40	A super-resolution approach to classification *H. N. Mhaskar*	
18.00	Talks End	

Thursday June 27, Morning Session

Time	Auditorium 1	Auditorium 2
	Chair: Tom Lyche	
9.00	Invited Talk: Optimal linear and non-linear dimensionality reduction *A. Cohen*	
10.00	Coffee	
	Isogeometric analysis *Chair: Arne Lakså*	**Minisymposium — Splines on unstructured meshes** *Chair: Carla Manni*
10.20	Isogeometric collocation for solving the biharmonic equation over planar multi-patch domains *A. Kosmač*	Local Polynomial Reproduction for Manifold Spline Projectors *B. Jüttler*
10.40	Hierarchical B-splines for Isogeometric Analysis: Local projector and mixed isogeometric methods *D. Toshniwal*	Counting lines in the Wang Shi split *A. Bressan*
11.00	A unified framework for advanced spline constructions in (iso)geometric modeling *C. Gianelli*	A rational C^1 cubic B-spline form over a Powell–Sabin refined triangulation *J. Grošelj*
11.20	Approximation properties of subdivision based isogeometric discretizations *T. Takacs*	Ten years of collaboration in geometric modeling and approximation theory *G. Muntingh*
11.40	Break	
	Isogeometric analysis II *Chair: Bert Juettler*	**Industry** *Chair: Emil Žagar*
12.00	Volume blending type spline constructions and their application to isogeometric analysis *T. Kravetc*	Affine Lofting: Advancements in Lofting Techniques by Achieving Enhanced Surface Continuity and User Interactivity *J.J. Ågotnes*
12.20	A C^s-smooth mixed degree isogeometric spline space over planar multi-patch domains *V. Vitrih*	Stackable surface rationalization for freeform architectural design *K. Gavriil*
12.40	Outlier removal strategies in isogeometric analysis *E. Sande*	Numerical methods for optimal representation of deforming surfaces with spherical topology *C. Sorgentone*
13.00	Lunch	

Thursday June 27, Afternoon Session

Time	Auditorium 1	Auditorium 2
	Chair: Tom Lyche	
14.00	Invited Talk: The Multichannel Blind Deconvolution Problem in Parallel MRI *G. Plonka*	
15.00	Break	
	Minisymposium — PH-curves *Organizers: M.L. Sampoli, A. Sestini*	**Approximation theory** *Chair: Albert Cohen*
15.20	Algebraic characterization of planar cubic and quintic Pythagorean-Hodograph B-spline curves *L. Romani*	Optimal uniform approximation by planar parametric polynomials *E. Zagar*
15.40	Least squares approximation with planar Pythagorean–hodograph curves *M. Knez*	Sampling projections in the uniform norm and optimal function recovery *K. Pozharska*
16.00	Hermite interpolation methods for (M)PH over PH curves *H.P. Moon*	Planar quintic Pythagorean-hodograph curves: new algebraic and geometric characterizations *A. Viscardi*
16.20	Control point modifications of the Pythagorean hodograph curves *F. Pelosi*	Tractable and asymptotic behaviour of mixed Wiener spaces *M. Moeller*
16.40	Interpolation of 3D data streams via rational rotation-minimizing quintic splines *L. Sacco*	Optimal one-sided approximants of circular arc *A. Šadl Praprotnik*
17.00	Closed Pythagorean Hodograph curves and associated framing motions *Z. Šír*	Fast cross validation and its theoretical validation *F. Bartel*
17.20	Coffee	
	Curves *Chair: Jorg Peters*	**Splines** *Chair: Geraldine Plonka*
17.40	Rectifying control polygons for Minkowski Pythagorean hodograph curves *S.H. Kim*	Approximation of piecewise smooth functions by nonuniform nonlinear quadratic and cubic spline quasi-interpolants *S. Remogna*
18.00	Complex plane rational Bézier curves *L. Fernández-Jambrina*	On the spherical clothoid *A. Ionut*
18.20	Hermite interpolation with G^1 curve and surface splines with rational offsets *H. Prautzsch*	HP-splines frequency parameter for MultiComponent Signals Interference Detection *R. Campagna*
	Historic perspective *Chair: Knut Mørken*	
18.40	Bringing B-splines to industry *T. Dokken*	
19.00	Barbecue outside the lecture halls	

Friday June 28, Morning Session

Time	Auditorium 1	Auditorium 2
	Chair: Øyvind Ryan	
9.00	Invited Talk: On the consistent reasoning paradox of intelligence and optimal trust in AI: The power of 'I don't know' *A. Hansen*	
10.00	Coffee	
	Splines on triangulations *Chair: Oleg Davydov*	**Interpolation and Subdivision** *Chair: Hartmut Prautzsch*
10.20	Quadrature rules for C^1 quadratic spline finite elements on the Powell-Sabin 12-split *S. Eddargani*	Geometrically continuous spline constructions based on *a priori* gluing data *A. Mantzaflaris*
10.40	Maximally smooth cubic quasi-interpolation operators on arbitrary triangulations *M. Marsala*	A Point-Normal Interpolatory Subdivision Scheme Preserving Conics *J. Kosinka*
11.00	NURBS-based geometry processing for Additive Manufacturing *J. Vallejo*	A New 3D Subdivision Algorithm *A. Dietz*
11.30	Lunch	