

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

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

Thursday June 27, Afternoon Session

Time	Auditorium 1	Auditorium 2
	<i>Chair: Tom Lyche</i>	
	Invited Talk:	
14.00	The Multichannel Blind Deconvolution Problem in Parallel MRI <i>G. Plonka</i>	
15.00	Break	
	Minisymposium — PH-curves <i>Organizers: M.L. Sampoli, A. Sestini</i>	Approximation theory <i>Chair: Albert Cohen</i>
15.20	Algebraic characterization of planar cubic and quintic Pythagorean-Hodograph B-spline curves <i>L. Romani</i>	Optimal uniform approximation by planar parametric polynomials <i>E. Zagar</i>
15.40	Least squares approximation with planar Pythagorean-hodograph curves <i>M. Knez</i>	Sampling projections in the uniform norm and optimal function recovery <i>K. Pozharska</i>
16.00	Hermite interpolation methods for (M)PH over PH curves <i>H.P. Moon</i>	Planar quintic Pythagorean-hodograph curves: new algebraic and geometric characterizations <i>A. Viscardi</i>
16.20	Spline surfaces with C1 PH isoparametric curves <i>F. Pelosi</i>	Tractable and asymptotic behaviour of mixed Wiener spaces <i>M. Moeller</i>
16.40	Interpolation of 3D data streams via rational rotation-minimizing quintic splines <i>L. Sacco</i>	Optimal one-sided approximants of circular arc <i>A. Šadl Praprotnik</i>
17.00	Closed Pythagorean Hodograph curves and associated framing motions <i>Z. Šír</i>	Fast cross validation and its theoretical validation <i>F. Bartel</i>
17.20	Coffee	
	Curves <i>Chair: Jorg Peters</i>	Splines <i>Chair: Geraldine Plonka</i>
17.40	Rectifying control polygons for Minkowski Pythagorean hodograph curves <i>S.H. Kim</i>	Approximation of piecewise smooth functions by nonuniform nonlinear quadratic and cubic spline quasi-interpolants <i>S. Remogna</i>
18.00	Complex plane rational Bézier curves <i>L. Fernández-Jambrina</i>	On the spherical clothoid <i>A. Ionut</i>
18.20	Hermite interpolation with G^1 curve and surface splines with rational offsets <i>H. Prautzsch</i>	HP-splines frequency parameter for MultiComponent Signals Interference Detection <i>R. Campagna</i>
	Historic perspective <i>Chair: Knut Mørken</i>	
18.40	Bringing B-splines to industry <i>T. Dokken</i>	
19.00	Barbecue outside the lecture halls	

Friday June 28, Morning Session

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