

**Wednesday June 26, Afternoon Session**

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

**Thursday June 27, Morning Session**

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

**Thursday June 27, Afternoon Session**

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

**Friday June 28, Morning Session**

| <b>Time</b>  | <b>Auditorium 1</b>                                                                                                             | <b>Auditorium 2</b>                                                                                          |
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|              | <i>Chair: Øyvind Ryan</i>                                                                                                       |                                                                                                              |
|              | Invited Talk:                                                                                                                   |                                                                                                              |
| <b>9.00</b>  | On the consistent reasoning paradox of intelligence and optimal trust in AI:<br>The power of 'I don't know'<br><i>A. Hansen</i> |                                                                                                              |
| <b>10.00</b> | Coffee                                                                                                                          |                                                                                                              |
|              | <b>Splines on triangulations</b><br><i>Chair: Oleg Davydov</i>                                                                  | <b>Interpolation and Subdivision</b><br><i>Chair: Hartmut Prautzsch</i>                                      |
| <b>10.20</b> | Quadrature rules for $C^1$ quadratic spline finite elements on the Powell-Sabin 12-split<br><i>S. Eddargani</i>                 | Hermite interpolation with $G^1$ curve and surface splines with rational offsets<br><i>H. Prautzsch</i>      |
| <b>10.40</b> | Maximally smooth cubic quasi-interpolation operators on arbitrary triangulations<br><i>M. Marsala</i>                           | Geometrically continuous spline constructions based on <i>a priori</i> gluing data<br><i>A. Mantzaflaris</i> |
| <b>11.00</b> | NURBS-based geometry processing for Additive Manufacturing<br><i>J. Vallejo</i>                                                 | A Point-Normal Interpolatory Subdivision Scheme Preserving Conics<br><i>J. Kosinka</i>                       |
| <b>11.20</b> |                                                                                                                                 | A New 3D Subdivision Algorithm<br><i>A. Dietz</i>                                                            |
| <b>11.45</b> | Lunch                                                                                                                           |                                                                                                              |