

BMS/SFB Summer School 2013. Discrete Differential Geometry

**First week**

**Registration** starts Monday 8:30.

	<b>Monday 09</b>	<b>Tuesday 10</b>	<b>Wednesday 11</b>	<b>Thursday 12</b>	<b>Friday 13</b>
9:30 – 11:00	<i>Pentagram map, the first 21 years</i>  Serge Tabachnikov	<i>Pentagram map, the first 21 years</i>  Serge Tabachnikov	<i>Introduction to Yang-Baxter equation and statistical mechanics</i>  Vladimir Bazhanov	<i>Introduction to Yang-Baxter equation and statistical mechanics</i>  Vladimir Bazhanov	<i>An introduction to Teichmüller theory from the triangulation point of view</i>  Feng Luo
11:00 – 11:30	coffee break	coffee break	coffee break	coffee break	coffee break
11:30 – 13:00	<i>A unified approach to smooth and discrete curvatures using Cartan's moving frames</i>  Max Wardetzky	<i>A unified approach to smooth and discrete curvatures using Cartan's moving frames</i>  Max Wardetzky	<i>Applied Harmonic Analysis meets Geometry</i>  Gitta Kutyniok	<i>Applied Harmonic Analysis meets Geometry</i>  Gitta Kutyniok	<i>Applied Harmonic Analysis meets Geometry</i>  Gitta Kutyniok
13:00 – 14:30	lunch break	lunch break	lunch break	lunch break	lunch break
14:30 – 16:00	<i>Pentagram map, the first 21 years</i>  Serge Tabachnikov	<i>Introduction to Yang-Baxter equation and statistical mechanics</i>  Vladimir Bazhanov	<i>A unified approach to smooth and discrete curvatures using Cartan's moving frames</i>  Max Wardetzky	<i>An introduction to Teichmüller theory from the triangulation point of view</i>  Feng Luo	<i>An introduction to Teichmüller theory from the triangulation point of view</i>  Feng Luo

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**Second week**

	<b>Monday 16</b>	<b>Tuesday 17</b>	<b>Wednesday 18</b>	<b>Thursday 19</b>	<b>Friday 20</b>
9:30 – 11:00	<i>The Lagrangian theory of discrete integrable systems</i> Yuri Suris	<i>Projective differential geometry of surfaces: integrable structure and discretization</i> Wolfgang Schief	<i>Conformal deformations of surfaces</i> Ulrich Pinkall	<i>The Lagrangian theory of discrete integrable systems</i> Yuri Suris	<i>The Lagrangian theory of discrete integrable systems</i> Yuri Suris
11:00 – 11:30	coffee break	coffee break	coffee break	coffee break	coffee break
11:30 – 13:00	<i>Conformal deformations of surfaces</i> Ulrich Pinkall	<i>Novel algorithms of 3D shape analysis</i> Daniel Cremers	<i>Convex relaxations for image segmentation</i> Daniel Cremers	<i>Projective differential geometry of surfaces: integrable structure and discretization</i> Wolfgang Schief	<i>Projective differential geometry of surfaces: integrable structure and discretization</i> Wolfgang Schief
13:00 – 14:30	lunch break	lunch break	lunch break	lunch break	lunch break
14:30 – 16:00	<i>Geometric reconstruction from images</i> Daniel Cremers	<i>Integrable systems and discrete Dirac operator</i> Vladimir Fock	<i>Integrable systems and discrete Dirac operator</i> Vladimir Fock	<i>Conformal deformations of surfaces</i> Ulrich Pinkall	<i>Integrable systems and discrete Dirac operator</i> Vladimir Fock
Evening events		19:00 Book presentation: G. M. Ziegler, <i>Mathematik – das ist doch keine Kunst</i> [German]			17:00 Film screening: <i>Colors of Math</i> [English]