

# Programm DEMAIN -Workshop 2014, Sept. 30 – Oct. 2, 2014

| Sept, 30   | Oct, 1  | Oct 2  |
|--|---|--|
| <p>All Lectures take place in:<br/>Lecture Hall M5/Einsteinstr. 64</p>   | <p>09.00 – 10.00<br/><b>Wolfgang Lück (Bonn):</b><br/><u><a href="#">Homological Methods in mathematics</a></u></p>   | <p>09.00 – 10.00<br/><b>Andreas Draguhn (Heidelberg):</b><br/><u><a href="#">Patterned activity in neuronal networks-methods, present knowledge and challenges</a></u></p> |
|  | <p>10.00 – 11.00<br/><b>Ileana Streinu (Northampton):</b><br/><u><a href="#">Maxwell's Problem, 150 years later. From Bridges to Proteins and Crystals</a></u></p>                | <p>10.00 – 11.00<br/><b>Peter Stadler (Leipzig):</b><br/><u><a href="#">Global and local structures in discrete energy landscapes</a></u></p>                              |
| <p>11.00 – 12.00<br/><b>Gero Friesecke (München):</b><br/><u><a href="#">Twisted x-rays- new methods for the determination of atomic structures with noncrystalline symmetry</a></u></p> | <p>11.00 – 11.30<br/>Coffee break</p>   | <p>Coffee and Goodbye / Lunch</p>  |
| <p>12.00 - 14.00<br/>LUNCH</p>   | <p>11.30 – 12.30<br/><b>Lucy Colwell (Cambridge)</b><br/><u><a href="#">Using evolutionary sequence variation to make inferences about protein structure and function</a></u></p> |  |
| <p>14.00 - 15.00<br/><b>Axel Haverich (Hannover):</b><br/>From organ transplantation to organ printing</p>   | <p>12.30 – 14.30<br/>LUNCH</p>  |  |
| <p>15.00 – 16.00<br/><b>Joachim Weickert (Saarbrücken):</b><br/><u><a href="#">Drift-Diffusion Models for Image Processing and Computer Graphics</a></u></p>                             | <p>14.30 – 15.30<br/><b>Bernd Sturmfels (Berkeley):</b><br/><u><a href="#">Beyond Linear Algebra</a></u></p>  |  |
|  | <p>15.30 – 16.30<br/><b>Christof Schütte (Berlin):</b><br/><u><a href="#">Efficient Modelling of Macro-Scales in Complex Processes Exhibiting Metastability</a></u></p>           | <p>Information-Update:<br/><u><a href="http://www.math.uni-muenster.de/demain/Programm.pdf">http://www.math.uni-muenster.de/demain/Programm.pdf</a></u></p>                |
| DINNER   | DINNER  |  |

Organizers: E. Bornberg-Bauer, J. Cuntz, H.-C. Pape, O. Schober, A. Stevens, K. Tent