Monday, 09 April 2018

09:00 – 09:30  Registration (near lecture hall)
09:30 – 09:45  Welcome Address
09:45 – 10:30  Chris Wojtan: Water surface waves
10:30 – 11:00  Coffee
11:00 – 11:45  Helmut Pottmann: Discrete geometric structures motivated by applications in architecture
11:45 – 13:45  Lunch Break
13:45 – 14:30  Klaus Hildebrandt: Model reduction for elasticity-based shape processing
14:30 – 15:00  Coffee
15:00 – 15:45  Max Wardetzky: From shapes to shape spaces
15:45 – 16:15  Time for discussion (with coffee)
16:15 – 17:00  Niloy Mitra: Physics-priors for geometry reconstruction
17:00 – 18:00  Welcome Reception (1st floor)

General information:
All talks will take place in lecture hall MA 041 on the ground floor of the math building. Conference room MA 875, 8th floor of the math building, is available for further discussions. Possible place for lunch: Staff cafeteria, 9th floor of the math building (on your own account).
Tuesday, 10 April 2018

09:15 – 10:00  Nils Thuerey: Deep learning for fluid simulations
10:00 – 10:30  Coffee
10:30 – 11:15  Nadav Dym: Linear algorithms for computing conformal mappings
11:15 – 11:45  Time for discussion (with coffee)
11:45 – 12:30  Bruno Lévy: A computational method for early universe reconstruction
12:30 – 14:30  Lunch Break
14:30 – 15:15  Rüdiger Westermann: Scalable topology optimization and beyond
15:15 – 15:45  Coffee
15:45 – 16:30  Johannes Wallner: Material-minimizing forms and structures
16:30 – 17:00  Time for discussion (with coffee)
17:00 – 18:00  Transfer to Brauhaus Lemke (by foot ca. 35 minutes or by bus ca. 15 minutes)
Starting 18:00  Workshop Dinner at Brauhaus Lemke am Schloss Charlottenburg (on your own account)

Wednesday, 11 April 2018

09:15 – 10:00  Emanuele Rodolà: Spectral approaches to partial deformable shape matching
10:00 – 10:30  Coffee
10:30 – 11:15  Pierre Alliez: Optimal mass transport and application to inter-surface mapping
11:15 – 11:45  Time for discussion (with coffee)
11:45 – 12:30  Mirela Ben-Chen: Reversible harmonic maps between discrete surfaces
12:30 – 13:00  Concluding Remarks