

PROGRAM | workshop

Beyond! 2D



Wednesday - October 11, 2017

- 4:00 pm - 6:00 pm Arrival at Castle Ringberg (Check-In)
- 6:00 pm - 6:30 pm **Opening - Concept of the "Beyond!" workshop series**
| Stuart Parkin
- 6:30 pm - 7:30 pm *Welcome Dinner*

Chair | Stuart Parkin

- 7:45 pm - 8:45 pm **Electrochemical Additive Manufacturing of Metal Micro-Structures with the FluidFM**
| Tomaso Zambelli

Thursday - October 12, 2017

- 08:00 am - 9:00 am *BREAKFAST*

Chair | Peer Fischer

- 09:00 am - 10:00 am **From Extended Surface to High-Performing Catalysts - Synthetic Design at Nanoscale**
| Yu Huang
- 10:00 am - 10:15 am *Refreshing your brain (coffee, tea & more)*
- 10:15 am - 11:15 am **3D Fabrication and Assembly by Curving, Bending and Folding**
| David H. Gracias
- 11:15 am - 11:30 am *Communication break*

Chair | Erwin Berenschot

- 11:30 am - 12:30 pm **Ultimately Dense and Efficient Future Computers**
| Bruno Michel
- 12:30 pm - 1:30 pm *Lunch*
- 1:30 pm - 1:40 pm *Group photograph*
- 2:00 pm - 3:00 pm **2D vs 3D Cell Cultures Systems in Biomedical Studies**
| Giovanna Brusatin
- 3:00 pm - 3:15 pm *Move & talk (coffee, tea & more)*
- 3:15 pm - 4:15 pm **3D Wafer-Scale Fabrication of Hybrid Nanostructures**
| Peer Fischer
- 4:15 am - 4:30 am *Communication break*

Chair | Stuart Parkin

- 4:30 pm - 5:30 pm **From 2D Plates to 3D Structures: Playing with Carl Gauss**
| José Bico
- 5:40 pm - 6:40 pm **Guided tour of the Castle Ringberg**
| Jochen Essl
- 6:40 pm - 7:40 pm *Bavarian night - Buffet at Castle Ringberg*

PROGRAM | workshop

Beyond! 2D



Friday - October 13, 2017

08:00 am - 09:00 am *BREAKFAST*

Chair | Bruno Michel

09:00 am - 10:00 am **Block Copolymer Self-Assembly for 3D Nanostructures**
| Caroline Ross

10:00 am - 10:15 am *Refreshing your brain (coffee, tea & more)*

10:15 am - 11:15 am **Colloidal Autonomous Systems**
| Alessandro Chiolerio

11:15 am - 11:30 am *Communication break*

Chair | Felix Holzner

11:30 am - 12:30 pm **3D-Nanomachining and Devices**
| Erwin Berenschot

12:30 pm - 1:30 pm *Lunch*

1:30 pm - 2:30 pm **Science goes Uphill | Overlooking lake Tegernsee - Walk & Talk**
| only if weather is good - meeting point at the reception

2:30 pm - 3:30 pm **Application of Thin Film Coating Technologies Beyond 2D Films**
| Mato Knez

3:30 pm - 3:45 pm *Networking time (coffee, tea & more)*

Chair | Caroline Ross

3:45 pm - 4:45 pm **Meniscus-Guided 3D Nano-Printing**
| Ji Tae Kim

4:45 pm - 5:45 pm **3D Nanofabrication: Limitations and Opportunities**
| Felix Holzner

6:00 pm - 7:00 pm *Dinner*

Chair | José Bico

7:15 pm - 8:15 pm **Racetrack Memory: An Innately 3D Memory Device**
| Chirag Garg

8:15 pm - 8:30 pm **Closing remarks - Future Directions**
| Stuart Parkin

Saturday - October 14, 2017

8:00 am - 9:00 am *Breakfast (Check-out)*

9:00 am Departure - Taxi transfer to Tegernsee station