

ATOMS MATTER SPEAKERS AND TOPICS

July 9–10, 2013 • Vienna, Austria

Field Trip on July 11, 2013 • [Institute of Science and Technology Vienna](#)

- **Matthew Atwood**, President, Algae Systems
Topic: Efficiently producing carbon negative fuels for the future.
- **Paula Bramel**, Assistant Executive Director, Global Crop Diversity Trust
Topic: A global information system for genetic resource conservation and crop diversity.
- **Erika DeBenedictis**, A “Bit” Shy of Graduation, Department of Computer Science, CalTech
Topic: New propulsion systems for tomorrow’s space missions.
- **Adam Dunkels**, Founder, Thingsquare
Topic: Extreme lightweight software for embedded devices.
- **Erol Gelenbe**, Dennis Gabor Professor, Electrical and Electronic Engineering, Imperial College London
Topic: New routing controls to reduce data center energy consumption.
- **Karsten Held**, Professor, Institute for Solid State Physics, Vienna University of Technology
Topic: Simulating and designing the properties of new materials for solar cells.
- **Veronika Haunold**, Chief Executive Officer, TINA VIENNA
Topic: Strategic organization of urban technologies for the smart city.
- **Shani Keysar**, Chief Executive Officer, Sol Chip
Topic: Solar batteries that integrate solar energy sources for wireless sensors and mobile devices.
- **Marwan Khraisheh**, Dean of Engineering, Masdar Institute of Science and Technology
Topic: Advanced materials processing and the manufacturing of lightweight alloys.
- **Craig Lindley**, Research Director, Intelligent Sensing and Systems Laboratory, CSIRO
Topic: Autonomous, taskable, and reconfigurable observation systems.
- **Anne Miglarese**, President and Chief Executive Officer, PlanetIQ
Topic: Using GPS for more accurate weather forecasting.
- **Damon Millar**, Partner, BuffaloGrid
Topic: Inexpensive solar power for cellphones where grid power is non-existent.
- **Huw Thomas**, Partner, Foster + Partners
Topic: How we plan, build, and realize living and work spaces for the future.
- **Eben Upton**, Founder and Trustee, Raspberry Pi Foundation
Topic: A low-cost platform for teaching computing concepts and hacking hardware.
- **Nynke van den Akker**, Researcher, Cardiovascular Research Institute Maastricht
Topic: Minimizing meat production’s environmental footprint with tissue engineering.