# CAMD Summer School 2001
**Micro- and Nanotechnologies**

## Monday, June
- **8:00 a.m.:** Arrive at CAMD
- **8:30 a.m.:** “Optical Lithography” – J.B. Lee
- **10:30 a.m.:** “Si Micromachining – Wet Processing” – Ronald Besser
- **12:30 p.m.:** Lunch
- **1:30 p.m.:** “Laser Micromachining” – Mats Bowman
- **3:30 p.m.:** “Micromachining Using Deep and Ultra-Deep X-ray Lithography” – Jost Goettert

**MONDAY NIGHT WELCOME: Pizza and Facility Tour**

## Tuesday, June 5
- **8:00 a.m.:** Arrive at CAMD
- **8:30 a.m.:** “Micro- and Nanotechnologies for MEMS Applications in the United States and Asia” – William Tang
- **11:00 a.m.:** “Micro-Fluidic High Aspect Ratio Microstructures for Industrial Applications” – Kevin Kelly
- **12:30 p.m.:** Lunch
- **1:00 p.m.:** “Next Generation Advanced Lithography – The 0.1m Challenge” – Phil Seidel
- **3:30 p.m.:** “Micromolding of High Aspect Ratio Microstructures” – Thomas Hannemann

## Wednesday, June
- **8:00 a.m.:** Arrive at CAMD
- **8:30 a.m.:** “Material Characterization for MEMS” – Kun Lian
- **10 a.m.:** “Nano-Structured Surfaces – An Introduction to the Nano World” – Peter Zeppenfeld
- **12 p.m.:** Lunch
- **12:30 p.m.:** “Nano-Film Coating on High Aspect Ratio Microstructures” – Wen Jin Meng
- **2:30 p.m.:** **FREE TIME**

## Thursday, June 7
- **8:00 a.m.:** Arrive at CAMD
- **8:30 a.m.:** “An Introduction to Micro/Nanofabrication Techniques for Biological and Biomedical Applications” – Michael Saul Isaacs
- **10:30 a.m.:** “High Aspect Ratio Microstructures for Bio-MEMS” – Steve Soper
- **12:30 p.m.:** Lunch
- **1:30 p.m.:** “Microstructures in Medical Applications” – Michael Murphy
- **3:30 p.m.:** “Micromechanical Machining” – Craig Friedrich

## Friday, June 8
- **8:00 a.m.:** Arrive at CAMD
- **8:30 a.m.:** “Micro- and Nanopatterning with Focused Partical Beams” – Philip Coane and Michael Vasile
- **10:30 a.m.:** “Micromachining with Ion Beams” – Andy Hollerman and Gary Glass
- **12:30 p.m.:** Lunch
- **1 p.m.:** “Nano-Colloids” – Helmut Bonnemann
- **3 p.m.:** “Organic Nano-Films” – Yuri Lvov
- **4:30 p.m.:** “Magnetic Nano-Particles” – Kevin Stokes

**FRIDAY NIGHT SOCIAL**

## Saturday, June 9
- **8 a.m.:** Arrive at CAMD
- **8:30 a.m.:** “SUMMiTV Technology and BioMEMS” – Mokanda Okandan
- **10:30 a.m.:** “Thin-/Nano Films” – Xingyu Gao
- **12:30 p.m.:** Brown Bag Lunch
  Speaker: Paul Templet, “Louisiana Energy Use and Global Warming”