

NANO2002 Workshop on Icosohedral Transformations and Nanoscale Structures

Monday November 25, 2002

- 10:00–10:15 *Overview*
- 10:15–11:15 **Maroon Tabbal** (UCLA)
Energetic Geometry: Modeling Configuration Space
- 11:15–11:30 *Break*
- 11:30–12:30 **Humberto Terrones Maldonado** (IPICYT, Mexico)
Icosahedral transformations, graphitic surfaces and curved nanostructures
- 12:30–2:00 *Lunch (on your own)*
- 2:00–2:45 **Yury Grabovsky** (Temple University)
An application of algebra to materials science, a case study: exact relations for composite materials
- 2:45–3:30 **Daniel Sage** (Louisiana State University)
An Application of Composite Materials to Representation Theory
- 3:30–4:00 *Break*

Tuesday November 26, 2002

- 10:00–10:45 **Joseph Rudnick** (UCLA)
Physical and Mathematical considerations in the structure of icosahedral virus capsids.
- 10:45–11:00 *Break*
- 11:00–11:45 **Klaus Lux** (University of Arizona)
An introduction to GAP, a computer algebra system for group theory
- 12:30–2:00 *Lunch (Hosted by IPAM)*
- 2:00–2:45 **James Gimzewski** (UCLA)
- 2:45–3:30 **Nicholas Ercolani** (University of Arizona)
Crystalline structures and Defects in Pattern Forming Equations
- 3:30–4:00 *Break*

Wednesday November 27, 2002

- 12:00 *Unscheduled Work and Discussion*



