

SuperGrid II Workshop Agenda and Logistical Details

Levis Faculty Center, 919 W. Illinois St, Urbana, IL 61801

Sunday, October 24 (Levis Faculty Center – Third Floor)

- 7:00 PM Vans leave Hampton Inn for Levis Faculty Center
- 7:30 - 9:00 PM Public Lecture: “**Big Ways to Decarbonize the Energy System,**” by Jesse Ausubel, Rockefeller University

Monday, October 25 (Levis Faculty Center – Fourth Floor, Room 407)

- 7:45 – 8:15 AM Vans Leave Hampton Inn for Levis Faculty Center
- 8:00 – 8:30 AM Registration/Continental Breakfast
- 8:30 – 8:45 AM Welcome and Overview – Tom Overbye UIUC
- 8:45 – 9:30 AM Supergrid Vision – Chauncey Starr, EPRI (via videotape)
- Technical Plenary Session:** Overviews of the Supergrid by discipline, with each presentation 15 minutes followed by 15 minute questions/discussions; chaired by Tom Overbye.
- 9:30 – 10:00 AM Supercable – Paul Grant (EPRI retired)
- 10:00 – 10:30 AM Power Control – Bob Lassester (Univ. Wisconsin)
- 10:30 – 11:00 AM Break
- 11:00 – 11:30 AM Power System Integration – Bob Thomas (Cornell)
- 11:30 – 12:00 Hydrogen – Robert Schainker (EPRI)
- 12:00 – 1:00 PM Lunch on Levis Third Floor
- 1:00 – 1:30 PM Nuclear – Wes Myers (Los Alamos National Lab)
- 1:30 – 2:00 PM Underground Construction/Tunneling – Ed Cording (UIUC)
- 2:00 – 2:30 PM Environmental Engineering – Wayland Eheart, UIUC)
- 2:30 – 3:00 PM Break
- 3:00 – 5:00 PM Parallel breakout sessions by disciplines, with each breakout group charged with developing list discipline specific research topics. The focus of these breakout sessions is on the scientific/technical challenges to implementing the supergrid (i.e., the “what” question).
- The breakout groups, with moderators are:
- Supercable** (Paul Grant),
 - Power control** (Phil Krein),
 - Power system integration** (Pete Sauer),

Hydrogen (Robert Schainker),
Nuclear (Jim Stubbins),
Underground construction/tunneling (Ed Cording),
Environmental engineering (Ed Herricks)
 5:00 – 5:45 PM Return to Hampton Inn via bus/vans (optional)
 5:45 PM Bus/vans leave the Hampton Inn and Levis for Kennedy’s
 6:00 – 9:00 PM Reception at Kennedy’s followed by dinner

Tuesday, October 26 (Levis Faculty Center – Fourth Floor, Room 407)

7:45-8:15 AM Vans leave Hampton Inn for Levis Faculty Center
 8:00 – 8:30 AM Continental Breakfast
 8:30 – 8:50 AM Campus Welcome, College of Engineering Dean David Daniel
 8:50 – 10:15 AM Reports by each of the breakout groups; chaired by Tom Overbye
 10:15 – 10:45 AM Break
 10:45 – 12:00 General Q&A and discussion with a focus on integration issues and challenges; chaired by Paul Grant.
 12:00 – 1:00 PM Lunch on Levis Third Floor
 1:00 – 1:45 PM Talk by Craig Smith (DMJM) “Supergrid Construction Challenges”
 1:45 – 4:30 PM Reconvene **breakout sessions** with the same moderators. However, the focus of the breakout sessions on Tuesday switches from being purely technical to addressing the more practical challenges to implementing the supergrid. Questions for discussion include who does what, where, when, how much will it cost, and what are the organizational and institutional challenges that need to be overcome to get the research done.
 2:30 to 3:00 PM Break Refreshments available in 407
 4:30 – 5:00 PM Return to Hampton Inn via vans
 5:45 PM Vans leave the Hampton Inn to Grainger Library
 6:00 PM Reception at Grainger Engineering Library followed by dinner

Wednesday, October 27 (Levis Faculty Center – Fourth Floor, Room 407)

7:45-8:15 AM Bus Leaves Hampton Inn for Levis Faculty Center
 8:00 – 8:30 AM Continental Breakfast
 8:30 – 10:00 AM Reports by each of the breakout groups; chaired by Jesse Ausubel

