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IPU Grid School Course II:

Supply-Side: Energy and Storage, Resource and System Planning, and Reliability and Security

April 8-10, 2025 – Live Online Learning

IPU Power Grid School covers the engineering and economics of the electric utility systems across the supply chain for power and its transformation, from generation to transmission to distribution.

Program Agenda

All times are eastern standard time.

April 8 – Tuesday Generation and Storage

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|---------------------------|--|
| 10:00-11:20 am
80 min. | Status and future of natural gas supply and infrastructure [Deupree] |
| 11:40-1:00 pm
80 min. | Developing and permitting wind, solar, and storage [Loomis] |
| 2:00-3:20 pm
80 min. | Flexibility, distributed energy resources, and virtual power plants [Anctil] |
| 3:40-5:00 pm
80 min. | Risk assessment and physical cybersecurity [Ten] |









April 9 – Wednesday Resource and System Planning


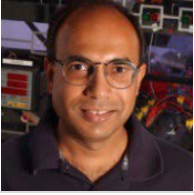




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|---------------------------|---|
| 10:00-11:20 am
80 min. | Integrated resource planning, portfolios, and permitting [Wilson and Glick] |
| 11:40-1:00 pm
80 min. | Transmission expansion, optimization, and coordination [Wiser and Heller] |
| 2:00-3:20 pm
80 min. | Nuclear power renewal and small modular reactors [Thomas] |
| 3:40-5:00 pm
80 min. | Grid modernization technologies and implementation [Lau] |

April 10 – Thursday Reliability and Security

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|---------------------------|--|
| 10:00-11:20 am
80 min. | Levelized cost vs. levelized value of energy resources [Meeusen] |
| 11:40-1:00 pm
80 min. | Planning for decarbonization under a changing climate [Craig] |
| 2:00-3:20 pm
80 min. | Sustainability, supply chains, and technology life cycles [Anctil] |
| 3:40-5:00 pm
80 min. | Reliability and resilience standards and practices [Mitra] |

IPU Power Grid Course II 2025: Program Faculty

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