

IPUMSU

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IPU Grid School Course III:

Demand-Side: Forecasting and Efficiency, Load Management, and Policy Evaluation

May 6-8, 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.

May 6 – Tuesday Forecasting and Efficiency

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|---------------------------|--|
| 10:00-11:20 am
80 min. | National energy sector forecasting and data [Harvey] |
| 11:40-1:00 pm
80 min. | National energy sector forecasting and data cont. [Harvey] |
| 2:00-3:20 pm
80 min. | Demand modeling and forecasting and load drivers [Gotham] |
| 3:40-5:00 pm
80 min. | Electrification, flexibility, demand management, and capacity planning [Kurtz & Stinton] |

May 7 – Wednesday Load Management

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|---------------------------|--|
| 10:00-11:20 am
80 min. | Driving affordable energy through utility program design [Stenger] |
| 11:40-1:00 pm
80 min. | Customer participation in demand response programs [Wang] |
| 2:00-3:20 pm
80 min. | Peak load management and direct load control [Cetin & Guillante] |
| 3:40-5:00 pm
80 min. | Electric vehicles and charging infrastructure [Zhao & Ghamami] |

May 9 – Thursday Policy Evaluation

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|---------------------------|---|
| 10:00-11:20 am
80 min. | Economic evaluation of resource policy alternatives [Nordman] |
| 11:40-1:00 pm
80 min. | Managing consumer data, digitalization, and privacy [Ruddell] |
| 2:00-3:20 pm
80 min. | Energy communities, land use, and justice [Eisenberg] |
| 3:40-5:00 pm
80 min. | Disparities and justice in the clean energy transition [Schott] |

IPU Power Grid Course III 2025: Program Faculty

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