
PHD COURSE

Handling Uncertainty in Complex Systems

Instructor

Prof. Serena Doria

Dates

May 20-21-22, 2026

Time

9:00 AM – 1:00 PM

Venue

Aula del Consiglio
Department of Engineering and Geology
University G.d'Annunzio, Pescara Campus

Course Topics

- Uncertainty quantification methods
 - Conditional Probability and Bayes' Theorem
 - Probabilistic modeling in complex systems
 - Fractal-Based Bayesian Learning for Simulating Selective Attention
 - Bayesian Networks
 - Construction of a Bayesian Network for a Real-World Case Study
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Open to PhD students and researchers

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