

**CBMS Conference on Mathematical Methods for Novel Metamaterials**  
May 20-24, Mell Classroom, Auburn University

Monday, May 20 (Mell Classroom 2510)	
8:50AM-9:00AM	Opening remarks
9:00AM-10:00AM <b>Lecture I</b>	Speaker: Habib Ammari (ETH-Zürich) Title: Introduction and Overview
10:00AM-10:10AM	Group Photo
10:10AM-11:00AM	Discussion and Coffee Break
11:00AM-12:00PM <b>Lecture II</b>	Speaker: Oscar Bruno (Caltech) Title: Advanced Computational Methods for Modeling, Simulation and Design - Part I
12:00PM -1:45PM	Lunch Break at the Edge
2:00PM-3:00PM <b>Lecture III</b>	Speaker: Habib Ammari (ETH-Zürich) Title: Single Subwavelength Resonator and Effective Medium Theory in the Dilute Regime
3:00PM-4:00PM	Discussion and Coffee Break
4:00PM-5:00PM <b>Lecture IV</b>	Speaker: Oscar Bruno (Caltech) Title: Advanced Computational Methods for Modeling, Simulation and Design - Part II
6:00PM-8:00PM	Banquet at the AU Hotel

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<b>Tuesday, May 21 (Mell Classroom 2510)</b>	
9:00AM-10:00AM <b>Lecture I</b>	Speaker: Habib Ammari (ETH-Zürich) Title: Systems of Strongly Interacting Subwavelength Resonators
10:00AM-11:00AM	Discussion and Coffee Break
11:00AM-12:00PM <b>Lecture II</b>	Speaker: Andrea Alù (CUNY) Title: Exotic Linear and Nonlinear Light-Matter Interactions in Metamaterials - Part I
12:00PM - 1:45PM	Lunch Break at the Edge
2:00PM-3:00PM <b>Lecture III</b>	Speaker: Habib Ammari (ETH-Zürich) Title: Hermitian Systems I: Subwavelength Trapping and Guiding of Waves
3:00PM-3:30PM	Discussion and Coffee Break
3:30PM-4:30PM <b>Lecture IV</b>	Speaker: Andrea Alù (CUNY) Title: Exotic Linear and Nonlinear Light-Matter Interactions in Metamaterials - Part II
4:45PM-5:15PM	Guided Tour at Arboretum

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<b>Wednesday, May 22 (Mell Classroom 2510)</b>	
9:00AM-10:00AM <b>Lecture I</b>	Speaker: Habib Ammari (ETH-Zürich) Title: Hermitian Systems II: Topological Defects and Anderson Localization
10:00AM-11:00AM	Discussion and Coffee Break
11:00AM-12:00PM <b>Lecture II</b>	Speaker: Hai Zhang (HKUST) Title: Mathematics of In-gap Edge Modes in Photonic/Phononic Structures - Part I
12:00PM - 1:45PM	Lunch Break at the Edge
2:00PM-3:00PM <b>Lecture III</b>	Speaker: Habib Ammari (ETH-Zürich) Title: Non-Hermitian Systems I
3:00PM-4:00PM	Discussion and Coffee Break
4:00PM-5:00PM <b>Lecture IV</b>	Speaker: Hai Zhang (HKUST) Title: Mathematics of In-gap Edge Modes in Photonic/Phononic Structures - Part II
5:00PM-6:00PM	Lawn Games at Samford Lawn

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<b>Thursday, May 23 (Mell Classroom 4510)</b>	
9:00AM-10:00AM <b>Lecture I</b>	Speaker: Habib Ammari Title: Non-Hermitian Systems II
10:00AM-11:00AM	Discussion and Coffee Break
11:00AM-12:00PM <b>Lecture II</b>	Speaker: John Schotland (Yale) Title: Quantum Optics in Random Media - Part I
12:00PM - 1:45PM	Lunch Break at the Edge
2:00PM-3:00PM <b>Lecture III</b>	Speaker: Habib Ammari Title: Time-modulated Systems I
3:00PM-4:00PM	Discussion and Coffee Break
4:00PM-5:00PM <b>Lecture IV</b>	Speaker: John Schotland (Yale) Title: Quantum Optics in Random Media - Part II
5:30PM-7:00PM	Dinner at Hey Day Market (voluntary)

<b>Friday, May 24 (Mell Classroom 2510)</b>	
9:00AM-10:00AM <b>Lecture I</b>	Speaker: Habib Ammari Title: Time-modulated Systems II
10:00AM-11:00AM	Discussion and Coffee Break
11:00AM-12:00PM <b>Lecture II</b>	Speaker: Habib Ammari Title: Summary and Open Problems
12:00PM - 1:45PM	Lunch at the Edge