



**CONQUERING,  
PROGRAMMING, AND  
PROTECTING THE  
WIRELESS SPECTRUM**

April 12th & 13th, 2022

**PROGRAM AGENDA**



# DAY 1

9:00 A.M.

## SESSION I: *Introduction*

### WELCOME

- **Gregory Abowd**, *Dean of the College of Engineering, Northeastern University*

### PRESENTATIONS

- **Tommaso Melodia**, *Northeastern University*
- **Nick Laneman**, *SpectrumX, University of Notre Dame*
- **Mari Silbey**, *US Ignite, PAWR Program Director*
- **Sastry Kompella**, *Naval Research Laboratory*

10:15 A.M.

## SESSION II: *Conquering the Spectrum*

### INTRODUCTION

- **Josep Jornet**, *Northeastern University*

### PRESENTATIONS BY TEAM MEMBERS

- **Jim Buckwalter**, *University of California, Santa Barbara*
- **Dan Werthimer**, *University of California, Berkeley*
- **Ismail Guvenc**, *North Carolina State University*
- **Krishna Narayanan**, *Texas A&M University*
- **Michele Polese**, *Northeastern University*

### GUEST PRESENTATIONS

- **Gerhard Schoenthal**, *Virginia Diodes*
- **Roger Nichols**, *Keysight*

## LUNCH BREAK

1:30 P.M.

## SESSION III: *Protecting the Spectrum*

### INTRODUCTION

- **Arjuna Madanayake**, *Florida International University*

## GUEST PRESENTATION

- **Bob Palmer**, *Advanced Radar research Center, University of Oklahoma*

## PRESENTATIONS BY TEAM MEMBERS

- **Tom Maccarone**, *Texas Tech University*
- **Jessica Ruyle**, *University of Oklahoma*
- **Francesco Restuccia**, *Northeastern University*

## GUEST PRESENTATIONS

- **Melissa Soriano**, *NASA Jet Propulsion Laboratory*
- **Apurva Mody**, *Airanaculus and National Spectrum Consortium*

**3:00 P.M.**

## SESSION IV : *Standardization & Academia*

### INTRODUCTION

- **Francesco Restuccia**, *Northeastern University*

### PANEL: "BRIDGING STANDARDIZATION, ACADEMIA AND GOVERNMENT COMMUNITIES", MODERATOR: FRANCESCO RESTUCCIA

- **Jim Lansford**, *Qualcomm*
- **David Gutierrez**, *Samsung*
- **Sumit Roy**, *Office of the Under Secretary of Defense R&E*
- **Mike Marcus**, *Northeastern University*
- **Nada Golmie**, *National Institute of Standards and Technology*

**6:00 P.M.**

**DINNER: Fogo de Chao, 200 Dartmouth St., Boston, MA 02116**

# DAY 2

**9:00 A.M.**

## SESSION V: *Programming the Spectrum*

## INTRODUCTION

- **Srinivas Shakkottai**, *Texas A&M University*

## PANEL: "SERVICE DISAGGREGATION AND MACHINE LEARNING AS DRIVERS OF A PROGRAMMABLE AND COMPOSABLE WIRELESS STACK", MODERATOR: SRINIVAS SHAKKOTTAI

- **Sanjay Shakkottai**, *The University of Texas at Austin*
- **Stratis Ioannidis**, *Northeastern University*
- **Kaushik Chowdhury**, *Northeastern University*
- **Salvatore D'Oro**, *Northeastern University*
- **Pedram Johari**, *Northeastern University*

## GUEST SPEAKERS

- **Chris Dick**, *NVIDIA*
- **Ness Shroff**, *NSF AI Edge Institute, Ohio State University*

**10:15 A.M.**

## SESSION VI: *Legal, Ethical, Economical and Policy Implications of Future Spectrum Exploitation*

### INTRODUCTION

- **Hilary Robinson**, *Northeastern University*

### PRESENTATIONS BY TEAM MEMBERS

- **Mike Marcus**, *Northeastern University*
- **Bob Weller**, *National Association of Broadcasters*
- **Henry Goldberg**, *Goldberg, Godles, Wiener & Wright LLP*
- **Manu Gosain**, *Federal Communications Commission Technological Advisory Committee*
- **Ted Werth**, *Northeastern University*

### GUEST PRESENTATIONS

- **Andy Thiessen**, *The MITRE Corporation*
- **Renee Leduc**, *Narayan Strategy*
- **Monisha Ghosh**, *University of Notre Dame*

**LUNCH BREAK**

**1:30 P.M.**

## **SESSION VII: *Education, Workforce Development and Broadening Participation***

### **INTRODUCTION**

- **Stefano Basagni**, *Northeastern University*

### **PRESENTATIONS BY TEAM MEMBERS AND GUESTS**

- **Aileen Huang-Saad**, *Roux Institute*
- **Karl Reid**, *Northeastern University*
- **Claire Duggan**, *Northeastern University*

**2:30 P.M.**

## **SESSION VIII: *Testbeds & Data***

### **INTRODUCTION**

- **Michele Polese**, *Northeastern University*

### **NASCE TESTBEDS AND FACILITIES**

- **Francesco Restuccia**, *Northeastern University*
- **Walt Magnussen**, *Texas A&M*
- **Jessica Ruyle**, *University of Oklahoma (ARRC Radars)*
- **Ismail Guvenc**, *North Carolina State University (AERPAAW)*
- **Kaushik Chowdhury**, *Northeastern University (RFDDataFactory)*

### **NRDZ PANEL (MODERATOR: MICHELE POLESE)**

- **Ismail Guvenc**, *North Carolina State University*
- **Josep Jornet**, *Northeastern University*
- **Tommaso Melodia**, *Northeastern University*
- **Mariya Zheleva**, *SUNY Albany*
- **Chris Depree**, *National Radio Astronomy Observatory*

**3:45 P.M.**

## **CONCLUDING REMARKS**