

# 2020 IEEE Symposium on Antennas and Propagation & USNC-URSI Radio Science Meeting

5-11 July 2019 • Montreal, Canada



Awards Presentation, July 8, 2020

## **Program**

**IEEE Awards Presentation Introductions and Welcome:**

**Mahta Moghaddam, AP-S President**

**Kathleen Melde, Chair, AP-S Awards Committee**

**IEEE Level Awards**

**IEEE Fellows**

**AP-S Field Awards**

**Paper Awards**

**AP Society Recognition**

**Raj Mittra Travel Grant Award**

**AP-S Outstanding Chapter Awards**

**Welcome Remarks**  
**Professor Mahta Mogghaddam**  
**2020 IEEE APS President**



# Awards Presentations

**Professor Kathleen Melde, 2020 APS Awards Chair**



# 2020 IEEE ELECTROMAGNETICS AWARD

## TAPAN KUMAR SARKAR

*Thank you to our sponsors,  
the IEEE Antennas and Propagation  
Society, the IEEE Electromagnetic  
Compatibility Society, the IEEE  
Geoscience and Remote Sensing Society,  
and the IEEE Microwave Theory and  
Techniques Society*



“For contributions to the efficient and accurate solution of computational electromagnetic problems in frequency and time domain, and for research in adaptive antennas.”



2020 IEEE KIYO TOMIYASU AWARD

ANDREA ALÙ

*Thank you to our sponsors,  
The late Dr. Kiyo Tomiyasu, the  
IEEE Geoscience and Remote  
Sensing Society, and the IEEE  
Microwave Theory and Techniques  
Society!*



"For contributions to novel  
electromagnetic materials and their  
application."

# AP-S Fellows Committee 2019 (evaluated 2020 Class)

- **Chair:** Jaideva Goswami (Chair)
- **Members:**
  - Amir Boag
  - Robert Burkholder
  - Chi-Hou Chan
  - David Davidson
  - Cynthia Furse
  - Roberto Graglia
  - Ramakrishna Janaswamy
  - Jianming Jin
  - Shiban K. Koul
  - Hao Ling

# 2020 IEEE Fellow (AP-S)

**Jaume Anguera Pros**

Co-Founder and CTO at Fractus Antennas



***for contributions to  
small multiband  
antennas for wireless  
telecommunication  
devices***



# 2020 IEEE Fellow (AP-S)

**Filippo Capolino**

University of California, Irvine



*for contributions to  
development of  
electromagnetic  
phenomena  
in metamaterials and  
periodic structures*

# 2020 IEEE Fellow (AP-S)

**Xudong Chen**

National University Singapore



*for contributions to  
optimization methods  
for electromagnetic  
inverse scattering*



# 2020 IEEE Fellow (AP-S)

**Nuria Llombart Juan**

Technical University, Delft

*for contributions to  
millimeter and  
submillimeter wave  
quasioptical*



# 2020 IEEE Fellow (AP-S)



**William Scanlon**

Tyndall National Institute

*For contributions to  
antenna design for  
wearable and  
implantable applications*

# 2020 IEEE Fellow (AP-S)

**Shiwen Yang**

University of Electronic Science and  
Technology of China



*For the development of  
time-modulated  
antenna arrays*



# APS Members Elevated to Fellow from Other Societies

**Kartikeyan Machavaram**

*for contributions to high-power millimeter wave and terahertz*

**Jung-chih Chiao**

*for contributions to wireless and battery-less medical implants*

**Thomas Kuerner**

*for contributions to terahertz data communication*

# AP-S Field Awards Committee

- **Chair:** Fan Yang, Tsingshua University, China
- **Members:**
  - Lijun Jiang Hong Kong University, HK
  - Yilong Lu NTU, Singapore
  - Tayeb Dednindi IRNS, Canada
  - Jiro Hirokawa Tokyo Inst. Of Technology, Japan
  - Andrea Massa University of Trento, IT
  - Steven Gao University of Kent, UK
  - Mona Jarrahi Univ. of California, Los Angeles USA
  - Karu Esselle Macquarie University, AUS
  - Reyhan Baktur Utah State University, USA
  - Anthony Grbic University of Michigan, USA
  - Felix Miranda NASA, USA
  - Glauco Fontgalldand Federal University of Campina Grande – UFCG, Brazil

# 2020 APS Distinguished Achievement Award

**David Pozar**

University of Massachusetts at Amherst



*For significant contributions to the electromagnetic analysis, development, and design of microstrip phased arrays and reflectarrays, and for educational leadership and service to the electromagnetics community*

# 2020 AP-S Chen-To Tai Distinguished Educator



**Cynthia Furse**

University of Utah

*For motivating, challenging, educating and inspiring the next generation of EM engineers through innovative teaching, hands on experiences, current research and lively participation.*





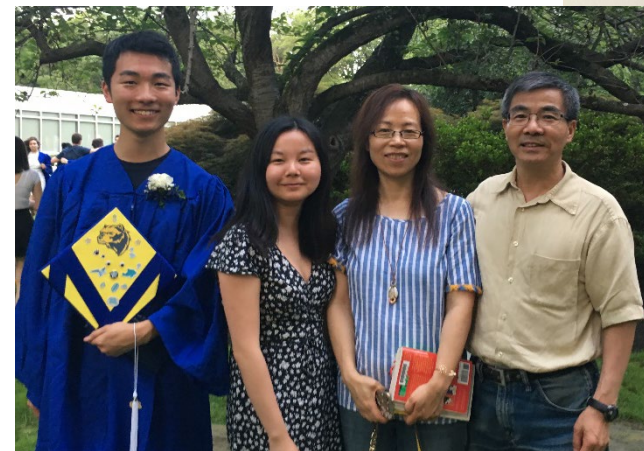
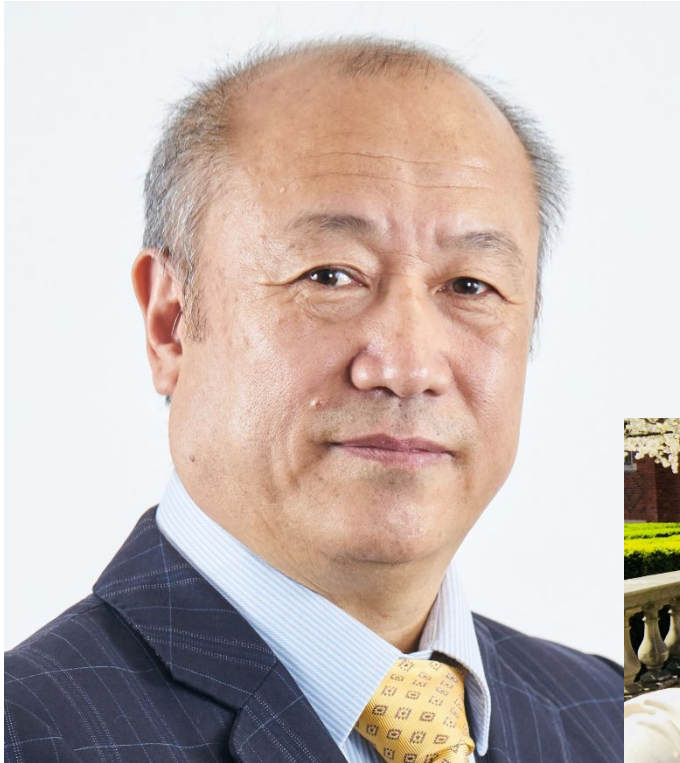
# 2020 AP-S John Kraus Antenna Award

Yueping Zhang and Duixian Liu

Nanyang Technological  
University

IBM

*For pioneering and significant  
contributions to the development of  
antenna-in-package (AiP) technology*





# 2020 AP-S Lot Shafai Mid Career Award

Jamesina Simpson,  
University of Utah



*For advancing and applying global and local FDT models of the Earth-ionosphere waveguide and for establishing programs to help mentor and encourage engineering students.*

# 2020 AP-S Harrington-Mittra Award in Computational Electromagnetics

**Eric Michielssen**

University of Michigan



*In recognition of being  
an outstanding  
computational scientist,  
as well as a mentor and  
role model for the next  
generation of faculty  
members*

# AP-S Best Paper Awards Committee

**Chair** Nader Behdad

University of Wisconsin, Madison, USA

## **Members:**

- Robert Adams  
University of Kentucky, USA
- Nacer Chahat  
Jet Propulsion Laboratory, USA
- Hao Ling  
University of Texas, Austin, USA
- Nuria Llombart  
University of Delft, NL
- Leung Tsang  
University of Michigan, USA
- Yue Ping Zhang  
NTU Singapore
- Agnese Mazzinghi  
University of Florence, Italy
- George Shaker  
University of Waterloo, CA
- Thomas Kurner  
Technical University Braunschweig, , Germany
- Jackie Vitaz  
Raytheon Integrated Defense Systems, USA
- Mats Gustafsson  
University of Lund, Sweden
- Rafael Rodriguez Solis  
University of Puerto Rico Mayaguez, Puerto Rico

# **2020 Sergei A. Schelkunoff Transactions Prize Paper Award**

**David S. Abraham and Dennis D. Giannacopoulos**





# 2020 Harold A. Wheeler Applications Prize Paper Award

**Matthew Jared Horst, Mohammad Tayeb Ghasr, and R. Zoughi**





# 2020 R.W.P. King Paper Award

David R. Hendry and Amin M. Abbosh



# 2020 P.L.E. Uslenghi Letters Prize Paper Award

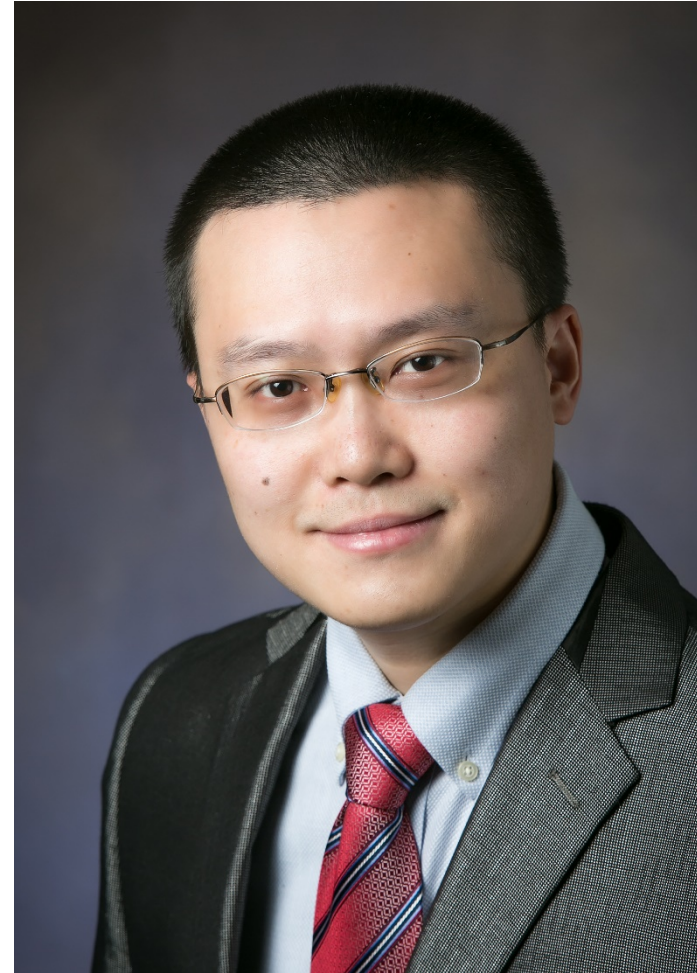
**Nikolai Simonov, Seong-Ho Son, and Min-Ho Ka**





# 2020 E. Altschuler APS Magazine Prize Paper Award

Jian-Ming Jin and Su Yan



# APS Certificates of Appreciation

## Outgoing ADCOM

**2019 President**

Koichi Ito



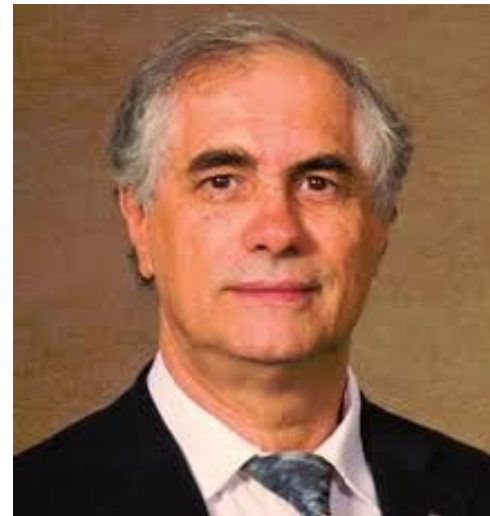
Roberto Graglia  
(2015 President)



Zhongxiang Shen



Agostino Monorchio



Silvo Barbin



Donald McPherson



# APS Certificates of Appreciation

**2020 Symposium General Chair**

**And Co-Chairs**

Ahmed Kishk

Lot Shafai

David Michelson

Yahia M. M. Antar



# APS Certificates of Appreciation

## 2020 Technical Program Chairs

George V. Eleftheriades

Ke Wu

Ashwin K. Iyer

Marco Antoniades



# Antennas and Propagation Society

## Volunteers Completing Their Terms

### **Nominations Committee Chair**

Weng Chew

### **Field Awards Chair**

Kwai-Man Luk

### **Paper Awards Chair**

Dan Jiao

### **Paper Awards Committee**

Robert J. Adams

Sean Victor Hum

Linda P.B. Katehi

Cyril Luxey

### **Strategic Planning Committee**

Weng Chew

### **Field Awards Committee**

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Karu Esselle

Yiannis Vardaxoglou

Levent Sevgi

Debatosh Guha

Wei Hong

Kazuhiro Hirasawa

Sefieddin Safavi-Naeini

Abbas Omar

Leo Kempel

Susan C. Hagness

### **Nominations Committee**

Roberto Graglia

# Antennas and Propagation Society

## Volunteers Completing Their Terms

### **Transactions Associate Editors**

Robert Burkholder (Track Editor)

Mojgan Daneshmand

Stavros Georgakopoulos

Jaideva C. Goswami

Li Jun Jiang

Jinhwan Koh

Monai Krairiksh

Hao Ling

Guido Lombardi

Jose Martinez-Lorenzo

Atif Shamim

### **Magazine Associate Editors**

Levent Gurel

Ahmed Kishk

Brian Fisher

### **Meetings Committee**

Wei Hong

Vikass Monebhurrun

### **AWPL Associate Editors**

#### **Senior Associate Editors:**

Tzyh-Ghuang Ma

Amin Abbosh

#### **Associate Editors**

Hang Wong

Jim West

Sandra Costanzo

Costas Constantinou

Pedram Mousavi



# **2020 Raj Mittra Travel Grant Award**

**Professor Leyre Azpilicueta, Research Professor,  
Tecnologico de Monterrey, Mexico**



# AP-S Outstanding Chapter Award

Organizer: Ajay K. Poddar Chair, Chapter Activities



1st place

Islamabad

AP03/MTT17/EMC27 Joint Chapter



2nd Place

UFCG Bahia Student  
Branch Chapter



3rd place

Malaysia AP/MTT/EMC  
Joint Chapter