

Electronics and Communications Engineering Department

((632) 524-4611 Ext. 224

* lawrence.materum@dlsu.edu.ph

The Institute of Electrical and Electronics Engineers (IEEE)

Philippine Section

and

Gokongwei College of Engineering

Electronics and Communications Engineering Department

Invites you to the

(more info at <http://goo.gl/bbuhx5>)



DLSU Department of Electronics & Communications Engineering

2014 IEEE Antennas and Propagation Society Distinguished Lecture Seminar at DLSU

22 October 2014 (2:30 – 5:45 PM)

Rooms 407-409 Yuchengco Hall, De La Salle University

Register at <http://goo.gl/bbuhx5> (no participation fee)

(Due to limited hall capacity, advanced registration is suggested: on a first-come-first-served basis)

This seminar is for discussing and sharing information on how the major components of the physical layer of wireless communications function in providing better technologies and various potential applications. This seminar will provide an opportunity for researchers, engineers, scientists, and learners in academia and in industry to learn about advanced antennas and propagation topics available now and for the future.

- 2:00 Registration open
- 2:30 Opening remarks
- 2:35 **Distinguished lecture 1: Dr. Tapan Sarkar** (Syracuse University, New York, USA)
IEEE Antennas and Propagation Society (AP-S) President
"The Physics and Mathematics of Mobile Wireless Communication"
- 3:15 **Distinguished lecture 2: Dr. Monai Krairiksh**
(King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand)
"Remote Sensing of the Physical Qualities of Fruits"
- 3:55 Break
- 4:00 **Presentation of Dr. Gerino Mappatao** (De La Salle University, Manila)
"Directional Antenna Patterns for FM Broadcast"
- 4:20 **Presentation of Dr. Jennifer Dela Cruz** (Mapúa Institute of Technology, Manila)
"In Campus DTV Signal Measurement and Characterization"
- 4:40 **Panel session: [How can universities in emerging market economies meet the rigorous AP research in first world economies?](#)**
Moderator : **Dr. Lawrence Materum** (De La Salle University, Manila)
Panelists : **All speakers**
- 5:25 **Dr. Laurence Gan Lim** (De La Salle University, Manila)
Message from the Chair of the IEEE Philippines Section
- 5:35 Closing remarks

Supported by:



Inquiries:

www.facebook.com/DLSUeces



iris_inocencio@dlsu.edu.ph



(02) 524-4611 local 353

Speakers

Tapan K. Sarkar, IEEE Fellow, received the B.Tech. degree from the Indian Institute of Technology, Kharagpur, in 1969, the M.Sc.E. degree from the University of New Brunswick, Fredericton, NB, Canada, in 1971, and the M.S. and Ph.D. degrees from Syracuse University, Syracuse, NY, in 1975. From 1975 to 1976, he was with the TACO Division of the General Instruments Corporation. He was with the Rochester Institute of Technology, Rochester, NY, from 1976 to 1985. He was a Research Fellow at the Gordon McKay Laboratory, Harvard University, Cambridge, MA, from 1977 to 1978. He is now a Professor in the Department of Electrical and Computer Engineering, Syracuse University. His current research interests deal with numerical solutions of operator equations arising in electromagnetics and signal processing with application to system design. He obtained one of the "best solution" awards in May 1977 at the Rome Air Development Center (RADC) Spectral Estimation Workshop. He received the Best Paper Award of the IEEE Transactions on Electromagnetic Compatibility in 1979 and in the 1997 National Radar Conference. He has authored or coauthored more than 300 journal articles and numerous conference papers and 32 chapters in books and fifteen books.

Web: <http://lcs.syr.edu/faculty/sarkar/>



Monai Krairiksh was born in Bangkok, Thailand. He received the B.Eng., M.Eng. and D.Eng. degrees from King Mongkut's Institute of Technology Ladkrabang (KMITL), Thailand in 1981, 1984, and 1994, respectively. He was a visiting research scholar at Tokai University in 1988 and at Yokosuka Radio Communications Research Center, Communications Research Laboratory (CRL) in 2004. He joined the KMITL and is currently a Professor at the Department of Telecommunication Engineering. He has served as the Director of the Research Center for Communications and Information Technology during 1997-2002. His main research interests are in antennas for mobile communications and microwave in agricultural applications. Dr.Krairiksh was the chairman of the IEEE MTT/AP/Ed joint chapter in 2005 and 2006. He served as the General Chairman of the 2007 Asia-Pacific Microwave Conference, and the advisory committee of the 2009 International Symposium on Antennas and Propagation. He was the President of the Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology Association (ECTI) in 2010 and 2011 and was an editor-in-chief of the ECTI Transactions on Electrical Engineering, Electronics, and Communications. He was recognized as a Senior Research Scholar of the Thailand Research Fund in 2005 and 2008 and a Distinguished Research Scholar of the National Research Council of Thailand. He has been a distinguished lecturer of IEEE Antennas and Propagation Society during 2012-2014.



Gerino P. Mappatao was born in Tuao, Cagayan, Philippines in November 1967. He received the B.S. degree in electronics and communications engineering (ECE) from Saint Louis University, Baguio City, Philippines in 1989, the M.S. degree in ECE from De La Salle University-Manila, Philippines in 1998 and the Ph.D. degree in ECE from De La Salle University, Manila, Philippines. He joined De La Salle University in 2006 and is currently an Associate Professor in the Gokongwei College of Engineering. He authored and co-authored papers in conference proceedings and journals on antennas, broadcast engineering and wireless communications.



Jennifer Chua-Dela Cruz, Ph.D, PECE, received the Ph.D. degree in Electronics and Communications Engineering from De La Salle University in 2012 as a DOST-ERDT Scholar; (Dissertation: "Heuristic Approach in Modeling Radio Path Loss Inside Residences for Fixed and Portable Digital Terrestrial Television at 677 MHz). She is a Faculty Member of the School of EECE and School of Graduate Studies of Mapúa Institute of Technology. She is the IEEE Philippine Section (PS) Vice Chairman (2012-present), the IEEE PS Mapúa Student Branch Adviser (2012-present), IEEE Member (2008-present), IEEE Antenna Propagation Society Member (2011, present), IEEE Education Society Member (2008,2011), IEEE PS – Technical Committee Chairman for Women in Engineering (2011), IEEE Communication Society Member (2009, present), IEEE Broadcast Society Member (2011), Invited Member, CHED ECE Task Force (2004-2005), CHED ECE Center Of Development/Center of Excellence Evaluator (2007–present), CHED-NCR Quality Assessment Team Member for ECE (2011-2012), IECEP Member (1986-present), and a Member, Society of Broadcast Engineers and Technician (SBET).



Laurence A. Gan Lim is an Associate Professor and Chair of the Mechanical Engineering Department of De La Salle University. He is also the Chair of the IEEE Philippine Section. His research areas are Image Analysis, Computational Intelligence, Micro-Hydro Power Stabilization. He received his Ph.D. degree from Coventry University, Coventry, United Kingdom, and the M.S. and B.S. in Mechanical Engineering degrees from De La Salle University.



Lawrence Materum received the B.S. degree in electronics and communications engineering from Mapúa Institute of Technology, the M.S. degree in electrical engineering major in computers and communications from the University of the Philippines Diliman, and the Ph.D. degree in international development engineering major in electrical/electronics engineering from Tokyo Institute of Technology. From 2003 to 2005, he was a test development engineer at Analog Devices. He conducted his postdoctoral project at the Research Institute of Electrical Communication of Tohoku University. He received a best paper award at the 2008 International Symposium on Antennas and Propagation. In 2010 he taught in De La Salle University, where he is currently a faculty member of the Electronics and Communications Engineering Department. His recent research interests include radio propagation channel: measurements, analysis, modeling, and adaptive antenna arrays. Dr. Materum is a member of IEEE.

