
PHD COURSE:

Array Systems for Wireless Technologies in Satellite and Ground Communications - Phased Array Antennas: Theory, Application and Insights

Speaker: Dr. Robert Mailloux

(Air Force Research Lab, USA)

Dates: 23-24-25 May 2011

Location: ICT International Doctoral School, University of Trento

Duration: 20 Hours

Note: The lessons will be held in English

Contact: Prof. Andrea Massa (andrea.massa@ing.unitn.it)



The course is aimed at providing theoretical and applicative results in the design and synthesis of phased array antennas. Focus will be on effective design architectures and synthesis strategies for fixed and adaptive arrays devoted to mobile and satellite communication systems.

• **About the Speaker**

Robert Mailloux (LF'04) received the BS degree in electrical engineering from Northeastern University, Boston, MA, USA, in 1961 and the S.M. and Ph.D. degrees from Harvard University, Cambridge MA, USA.

He is a retired Senior Scientist at the Sensors Directorate, Air Force Research Laboratory, and has served as the Chief of the Antennas and Components Division, Rome Laboratory and as a Physicist at the Air Force Cambridge Research Laboratory. He is the author or coauthor of numerous journal articles, book chapters, 13 patents and the books Phased Array Handbook, Electronically Scanned Arrays and is co-editor of the book History of Wireless. He now consults in the area of periodic structures and antenna arrays.

Dr. Mailloux is a member of Tau Beta Pi, Eta Kappa Nu, Sigma Xi, Commission B of the International Scientific Radio Union, and is a Life Fellow of the IEEE. He was President of the Antennas and Propagation Society in 1983, and in 1992 he received the IEEE Harry Diamond Memorial Award. He received two IEEE AP-S Honorable Mention Best Paper Awards, the IEEE Third Mil-

lennium Medal and the AP-S Distinguished Technical Achievement Award. He has received four Air Force Research Laboratory "Best Paper" awards, the "Engineer of the Year" award, and is an AFRL Fellow. He has been a distinguished Lecturer for the Antenna and Propagation Society and is currently chairman of the AP-S/IEEE Press Liaison Committee.