

**Alfonso FARINA** (Fellow of IEEE, Fellow of Royal Academy of Engineering, and Fellow of IEE) received his doctor degree in electronic engineering from the University of Rome (I) in 1973. In 1974 he joined Selenia, now SELEX-Sistemi Integrati, where he is a manager (since May 1988). He was Scientific Director in the Chief Technical Office. Today he is director of the Analysis of Integrated Systems Group. In his professional life Alfonso has provided technical contributions to detection, signal, data & fusion, image processing for radar systems. He has provided leadership in many projects – also conducted in the international arena – in surveillance for ground and naval applications, in airborne early warning and in imaging radar. Since 1979, he has also been *Professore Incaricato* of Radar Techniques at the University of Naples; in 1985 he was appointed Associate Professor. He is the author of more than 350 peer reviewed technical publications and the author of books and monographs: *Radar Data Processing (Vol. 1 and 2) (translated in Russian and Chinese), 1985-1986; Optimised Radar Processors, 1987; Antenna Based Signal Processing Techniques for Radar Systems, 1992*. He has written the Chapter 9 on “ECCM techniques” in the Radar Handbook (2<sup>nd</sup> Edition 1990), edited by Dr. M. I. Skolnik of Naval Research Laboratory. He has been session chairman at many international radar conferences. He uses to lecture at universities and research centres in Italy and abroad; He also frequently gives tutorials at the Intl. Radar Conferences on signal, data and image processing for radar; in particular on multi-sensor fusion, adaptive signal processing, space time adaptive processing (STAP) and detection. In the 1987 He received the Radar Systems Panel Award of IEEE-AESS *for development of radar data processing techniques*. He is the Italian representative at the International Radar Systems Panel of IEEE-AESS. He is the Italian industrial representative (Panel Member at Large) at the SET (Sensor and Electronic Technology) of RTO (Research Technology Organisation) of NATO. He has been in the BoD of the International Society for Information Fusion (ISIF). He is the executive chair of the International Conference on Information Fusion, Fusion 2006 (Florence, 10-13 July 2006). He has been nominated Fellow of IEEE with the following citation: *“For development and application of adaptive signal processing methods for radar systems.”* Recently he has been nominated international fellow of the Royal Academy of Engineering (UK). He is a referee of numerous publications submitted to several Journals of IEEE, IEE, Elsevier, etc., He has also cooperated with the editorial board of ECEJ (Electronics & Communication Engineering Journal) of IEE. More recently, Alfonso has served as a member in the Editorial Board of Signal Processing (Elsevier). Also he has been the co-guest editor of the Signal Processing (Elsevier) special issue on “New trends and findings in antenna array processing for radar”, September 2004. He is the co-recipient of the following best paper awards: entitled to Mr. B. Carlton, of IEEE Trans. on Aerospace and Electronic Systems for the years 2001 and 2003; also of the International Conference on Fusion 2005. Alfonso has been the leader of the team that received the 2002 AMS CEO award for Innovation Technology. Alfonso has been the co-recipient of the AMS Radar Division award for Innovation Technology in 2003. Moreover, Alfonso has been the co-recipient of the 2004 AMS CEO award for Innovation Technology. Recently, He has been the leader of the team that has won in 2004 the 1<sup>st</sup> prize award for Innovation Technology of Finmeccanica (Italy). This award context has seen the submission of more than 320 projects. This award has been set for the first time in 2004.