



[Andrea Monti Guarnieri](#), M.Sc. cum laude (1988) in electronic engineering, IEEE-member, assistant professor and full professor “*habilitation*” within “Dipartimento di Elettronica, Informazione e Bioingegneria”. He has been teaching several courses on digital and statistical signal & image processing, telecommunications and RADAR. Forty years of professional activities in SAR systems design and processing, led him in 2003 to found [aresys](#), a PoliMI spin-off, that he served as president up to 2015. Aresys complements the most promising innovations introduced in his research activity at PoliMI by developing them into customized solutions involving RADAR and geophysical systems.

He has been leading ESA projects since the eighties, he has been a member of the ESA Quality Working Group for ERS and ENVISAT programs, he supported the commissioning phases for ENVISAT and SENTINEL-1, and he is cooperating with CONAE (Argentinean space agency) in the development of SAOCOM constellation.

His current interests focus on processing and calibration of RADAR based systems: ground, airborne and spaceborne SAR, multi-baseline interferometric and MIMO configurations and in studying new systems and applications for remote sensing, like SAOCOM-CS bistatic mission and geosynchronous SAR.

Prof. Monti Guarnieri co-authored over 200 [scientific publications](#), of which 45 international peer reviewed publications, ([H-Index 25, 3k citations](#)); he was awarded four “Best Paper” in international symposia (IGARSS '89, EUSAR 2004, EUSAR 2012, IET 2015) and he is co-author of four patents. He is reviewer of journals in remote sensing, signal processing, image processing, geophysics, geodynamics and antennas and propagations, and he has been in many technical boards of SAR and RADAR conferences. In 2014 he was appointed by the board of directors member of [Technical-scientific Committee](#) of Italian Space Agency (ASI).