

Andreia Cathelin, Fellow, STMicroelectronics



Andreia Cathelin started electrical engineering studies at the Polytechnic Institute of Bucarest, Romania and graduated from the Institut Supérieur d'Electronique du Nord (ISEN), Lille, France in 1994. In 1998 and 2013 respectively, she received PhD and "habilitation à diriger des recherches" (French highest academic degree) from the Université de Lille 1, France.

In 1997, she was with Info Technologies, Gradignan, France, working on analog and RF communications design. Since 1998, she has been with STMicroelectronics, Crolles, France, and now Fellow in the Technology R&D Group. Her major fields of interest are in the area of RF/mmW/THz systems for communications and imaging. She is leading and driving research in such advanced topics by supervising company internal PhD's and through cooperation with major universities around the world. She has also management activities as being in charge of the ST-CMP operation (the CMP is an independent organization offering small series foundry services for SME and research institutes). Finally she actively supports the promotion of all advanced technologies developed in the company. Andreia is serving in several IEEE conferences and committees. She has been active at ISSCC as RF sub-committee chair from 2012 to 2015, and is currently Forums Chair and member of the Executive Committee. She is member of ESSCIRC TPC since 2005 and is currently the ESSCIRC-ESSDERC Steering Committee Chair. She has been on the Technical Program Committees of VLSI Symposium on Circuits from 2010 till 2016, serving in the last years as officer. She has been Guest Editor of the IEEE JSSC Special Issue on VLSI Symposium in April 2016. Andreia has authored or co-authored 100+ technical papers and 4 book chapters, and has filed more than 25 patents. Andreia is a co-recipient of the ISSCC 2012 Jan Van Vessel Award for Outstanding European Paper and of the ISSCC 2013 Jack Kilby Award for Outstanding Student Paper; as well as winner of the 2012 STMicroelectronics Technology Council Innovation Prize. The 60GHz transceiver resulting of a joint research between STMicroelectronics and CEA-Leti to which Andreia has actively participated has been selected as cover photo for the International Seventh Edition (Oxford University Press 2016) of the famous Adel S. Sedra and Kenneth C. Smith Microelectronics Circuits book. She is an elected member of the IEEE SSCS Adcom for the term January 2015 to December 2017.