

## **Professor Didier Dumur**

Prof. Dr.-Ing. Didier Dumur received the engineering degree in electrical engineering with specialization in automatic control from Supélec (École Supérieure d'Électricité), France, in 1985. He received in 1993 the Ph.D. degree in automatic control and the "Habilitation à Diriger des Recherches" in 2002, both from Université Paris Sud Orsay, France.



He became in 2003 full Professor at Department of Automatic Control, Supélec, now CentraleSupélec, and is Head of the Control Department of CentraleSupélec, France since 2012. His scientific interests and research areas mainly lie in the field of developing open architectures for CNC machine-tools, with special focus on advanced control strategies aiming at improving in particular contour accuracies. He is active promoter for many years of predictive control applied to CNC drives of machine-tools or robots, resulting in the elaboration with CETIM (Centre Technique des Industries Mécaniques, France) of an open CNC embedding predictive control features. He is also involved in the development of new types of honing processes with advanced control features and strategies. He collaborates for many years with the mechanical department of Unicamp, Brazil, within projects contributing to the implementation of robust control structures for parallel robots and hexapods. His expertise in this field is currently applied to the design of specialized machines for additive manufacturing.

He has published and coauthored more than 300 scientific papers in journals and proceedings of international conferences, 12 books and book chapters, and supervised 40 PhD. students.

Prof. Dumur joined The International Academy for Production Engineering CIRP as a Corresponding Member in 1991 and became Fellow in 1998. He has been secretary (1993-1999), vice chairman (1999-2002) and chairman (2002-2005) of STC M. He served as member of the Editorial Committee from 1998 to 2002. He is since 2001 Secretary General Treasurer of CIRP and member of the CIRP Board. He has been elected Vice President Elect of CIRP on August 28, 2016. He contributed 15 articles to CIRP Annals in Volume 1 since 1989.