Multimedia Forensics: From Statistical Signal Processing to Deep Learning and Explainable Artificial Intelligence

LECTURER

Prof. Constantine Kotropoulos

Konstantinos (Constantine) Kotropoulos was born in Kavala, Greece in 1965. He received the Diploma degree with honors in Electrical Engineering in 1988 and the PhD degree in Electrical and Computer Engineering in 1993, both from the Aristotle University of Thessaloniki. He is currently a Full Professor in the Department of Informatics at the Aristotle University of Thessaloniki. He was a visiting research scholar in the Department of Electrical and Computer Engineering at the University of Delaware, USA during the academic year 2008-2009 and he conducted research in the Signal Processing Laboratory at Tampere University of Technology, Finland during the summer of 1993.

He has co-authored 70 journal papers, 225 conference papers, and contributed 9 chapters to edited books in his areas of expertise. He is co-editor with Professor Ioannis Pitas of the book ``Nonlinear Model-Based Image/Video Processing and Analysis'' (J. Wiley and Sons, 2001).

Dr. Constantine Kotropoulos has made fundamental contributions to speech emotion recognition. His research connects several science disciplines, such as efficient feature selection and multivariate statistics. He has also contributed to non-linear signal processing, including non-linear filters resorting to linear combinations of order statistics, music genre recognition exploiting spatio-temporal modulations, non-negative tensor decompositions, as well as sparse and low-rank representations, or using alpha-stable projections to derive sketches of features that captured the intrinsic trace of the acquisition device.

Dr. Constantine Kotropoulos was a scholar of the State Scholarship Foundation of Greece and the Bodossaki Foundation. He is a fellow of International Academy, Research, and Industry Association (IARIA), a senior member of the IEEE, and a member of EURASIP, IAPR, and the Technical Chamber of Greece. He was a Senior Area Editor of the IEEE Signal Processing Letters and he has been a member of the Editorial Board of another 7 journals. He served as Track Chair for Signal Processing in the 6th Int. Symposium on Communications, Control, and Signal Processing, Athens, 2014; Program Co-Chair of the 4th Int. Workshop on Biometrics and Forensics, Limassol, Cyprus, 2016; Technical Program Chair of the XXV European Signal Processing Conf., Kos, Greece, 2017; Technical Program Chair of the 5th IEEE Global Conf. Signal and Information Processing, Montreal, Canada, 2017; General Chair of the 2022 IEEE 14th Image, Video, and Multidimensional Signal Processing Workshop, Nafplio, Greece; Technical Program Chair of the 2023 IEEE International Conf. on Acoustics, Speech, and Signal Processing, Rhodes, Greece.

Additional information

C. Kotropoulos - Google Scholar
https://scholar.google.com/citations?user=c9Dl7qwAAAAJ&hl=en