

Eighth Lecture – Cyber-Physical Systems Distinguished Lecture Series (CPS – DLS)

Jointly organized by

Institute of Informatics and Communication (IIC), University of Delhi

&

IEEE, SPS – Delhi Chapter

Graph Signal Processing for Neuroimaging



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Prof. Dimitri Van De Ville received his Ph.D. degree in Computer Science Engineering from Ghent University, Belgium, in 2002. He was a post-doctoral fellow (2002–2005) at the lab of Prof. Michael Unser at the Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland, before becoming responsible for the Signal Processing Unit at the University Hospital of Geneva, Switzerland, as part of the Centre d'Imagerie Biomédicale (CIBM). In 2009, he received Swiss National Science Foundation professorship and since 2015 became Professor of Bioengineering at the EPFL, jointly affiliated with the University of Geneva, Switzerland. His main research interest is in computational neuroimaging to advance cognitive and clinical neurosciences. His methods toolbox includes wavelets, sparsity, deconvolution, graph signal processing. He was a recipient of the Pfizer Research Award 2012, the NARSAD Independent Investigator Award 2014, the Leenaards Foundation Award 2016, and was elected Fellow of the IEEE in 2020. He has been an IEEE SPS Distinguished Lecturer for the Class 2021–2022. Prof. Van De Ville serves as an Editor for the new journal, Neuroimage: Reports since 2020, as a Senior Editor for the IEEE Transactions on Signal Processing since 2019 and as an Editor for the SIAM Journal on Imaging Science from 2018 onwards. He served as an Associate Editor for the IEEE Transactions on Image Processing from 2006 to 2009, and the IEEE Signal Processing Letters from 2004 to 2006. He was the Chair of the Bio Imaging and Signal Processing (BISP) TC of the IEEE Signal Processing Society (2012–2013) and the Founding Chair of the EURASIP Biomedical Image & Signal Analytics SAT (2016–2018). He is Co-Chair of the biennial Wavelets & Sparsity series conferences, together with Y. Lu and M. Papadakis.

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