Sparsity-based algorithms for inverse problems

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Curriculum Vitae

Poulami Somanya Ganguly was born and brought up in Kolkata, India, and attended high school at Loreto Day School Dharamtala and La Martiniere for Girls. She went on to study physics at St Stephen's College, Delhi, and was awarded a BSc (Hons) degree in 2013. In the summers of 2011 and 2012, she conducted biophysics research at the Bose Institute in Kolkata and the National Centre of Biological Sciences in Bangalore. Following her bachelor's studies, she moved to Köln, Germany, for a Master's degree (2015) in theoretical physics at the Bonn Cologne Graduate School. In 2017, she was awarded an MPhil in theoretical and computational biophysics by University College London; her MPhil research on the mechanics of morphogenesis was carried out at the Francis Crick Institute. In 2018 she began her doctoral research on inverse problems at the Centrum Wiskunde & Informatica (CWI) in Amsterdam and Leiden University, as part of the Marie-Sklowdowska Curie Innovative Training Network MUMMERING. She made extended research visits to the Paul Scherrer Institute (Villigen, Switzerland) and Thermo Fisher Scientific (Eindhoven, The Netherlands) as part of her PhD, and was twice awarded travel grants by the Society of Industrial and Applied Mathematics (SIAM) to present her work at the SIAM Imaging Science conference.