

Invited Talks

Organized by Department of Computer Science and Engineering, Aliah University, Kolkata (in collaboration with **Computer Chapter, IEEE Kolkata Section**)

Date: January 10, 2020

Title of Talks

Computational Methods for Experimental Data Driven Inference of Spatial Genome Conformation

By Prof. Dariusz Plewczyński

Comparative Study of Clustering Algorithms: A Big Data Perspective

By Dr. Jacek Sroka

Speakers

Prof. Dariusz Plewczyński

Prof. Dariusz Plewczyński received **MS** in Theoretical Physics from University of Warsaw in 1995 and **PhD** in Physical Chemistry from Polish Academy of Sciences, Poland. He did his **postdoctoral research** at International Institute for Cell and Molecular Biology, Poland. Dr. Plewczynski worked in The Burnham-Sanford Institute in San Diego, CA, USA in 2002. He was also a **postdoc** at the bioinformatics laboratory of Helsinki University in 2003. In 2004 he was a **visiting researcher** at Merck Research Laboratories (IRBM), Italy. From 2002 to 2011, he was an **assistant professor** at University of Warsaw, Poland. In 2011, He visited Stanford University within the Top500 Polish Ministry of Science programme. He received a **DSc degree (habilitation)** in Computer Science and bioinformatics in 2012 at the Institute of Computer Science, which is part of Polish Academy of Sciences.

From 2011, he was the **head of the bioinformatics** team at the University of Warsaw (first at ICM, and later from 2015 at Centre of New Technologies). He has been involved in bioinformatics projects in the Leading National Research Centre of the Medical University of Bialystok from 2012. He was a visiting professor at The Jackson Laboratory for Genomic Medicine; Yale University within the senior Fulbright fellowship (2013-2014).

His main expertise covers computational genomics, biostatistics and bioinformatics. He is actively developing computational intelligence algorithms, performing biophysical simulations and applying computational modeling to various interdisciplinary problems in Human genomics. His recent achievements cover qualitative and quantitative biological data analysis, the general systems theory and interdisciplinary problems in the context of bioinformatics, genomics, drug design, and systems biology; ensemble learning systems, meta-clustering techniques.

Currently, he is a Professor at the University of Warsaw in the Center of New Technologies (CeNT), Warsaw, Poland, and the head of the Laboratory of Functional and Structural Genomics.

Dr. Jacek Sroka

Dr Jacek Sroka is an assistant professor at the University of Warsaw, Poland. His research interests include databases, distributed system, workflow modelling, Petri nets and bioinformatics. He has over 50 published peer reviewed papers. He has supervised 5 PhD students, promoted over 40 MSc students and over 50 BSc students. He is also electoral systems expert at the Polish Electoral Office.

Attendance

Number of participants: 85 (5 IEEE Members)

Snapshots

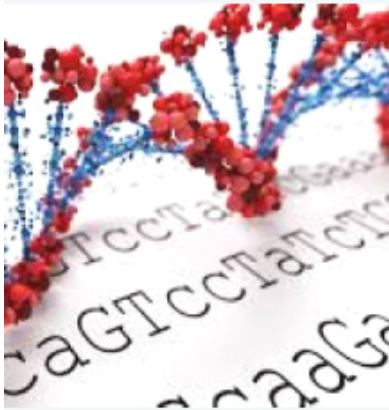




 / **COMPUTER
CHAPTER**
IEEE Kolkata Section

You are invited to
Join Us

To hear from Renowned Scientist and Academician !



Date and Time: 10th January, 2020 (2.00 pm–5.00 pm)

**Venue: Seminar Hall, CB203, 2nd Floor, New Town
Campus, Aliah University, IIA/27 New Town,
Kolkata-700160**

**Organized by: Department of Computer Science and
Engineering, Aliah University
In collaboration with : Computer Chapter, IEEE Kolkata Section**

Title of Talk:

**Computational methods for experimental data driven
inference of spatial genome conformation**

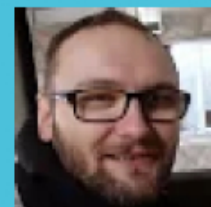


***Prof. Dariusz Plewczynski, Ph.D, D.Sc
Professor, Center of New Technologies,
University of Warsaw, Poland***

Dr. Dariusz Plewczynski's interests are focused on functional and structural genomics. Functional genomics attempts to make use of the vast wealth of data produced by high-throughput genomics projects, such as the Structural Genomics Consortia, Human Genome Project, 1000 Genomes Project, ENCODE, and many others. He is presently involved in several Big Data projects at three institutes: Centre of New Technologies (CeNT), University of Warsaw, Jackson Laboratory for Genomic Medicine (an international partner of the TEAM project), and Centre for Innovative Research (within the Leading National Research Centre KNOW 2012-2017) at Medical University of Białystok (UMB). He is currently head of the Laboratory of Functional and Structural Genomics under CeNT.

Title of Talk:

**Comparative study of clustering algorithms: A big
data perspective**



***Dr. Jacek Sroka
Faculty of Mathematics & Informatics,
University of Warsaw, Poland***

Dr. Jacek Sroka is an Assistant Professor at the Institute of Informatics, University of Warsaw, Poland. His research interests include databases, distributed system, workflow modelling, Petri nets and bioinformatics. He has published over 50 peer reviewed papers, supervises 5 PhD students, promoted over 40 MSc and over 50 BSc students. He is also an electoral systems expert at the Polish Electoral Office, Govt. of Poland.

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PROGRAM SCHEDULE

Date: Jan 10, 2020

Venue: CB203, New Town Campus

Inaugural Session	
2:00-2:15 PM	Welcome Address Dr. Ayatullah Faruk Mollah
	Address by Chief Guest Prof. Mahammad Ali, Hon'ble Vice-Chancellor, AU
	Address by Guest of Honour Prof. Amzed Hossein, Registrar, AU
	Address by Guest of Honour Prof. Mehedi Kalam, Dean, Faculty Council of Science and Technology, AU
	Address by HoD Dr. Sk. Md. Obaidullah, Associate Professor and Head, Dept. of CSE
Talk 1 by Prof. Dariusz Plewczynski	
2:15-3:30 PM	Brief Bionote of Prof. Dariusz Plewczynski Dr. Ayatullah Faruk Mollah
	Talk on “Computational methods for data driven inference of spatial genome conformation” Prof. Dariusz Plewczynski, Head, Laboratory of Functional and Structural Genomics, Center of New Technologies, University of Warsaw, Poland
	Q & A
Talk 2 by Dr. Jacek Sroka	
3:30-4:45 PM	Brief Bionote of Dr. Jacek Sroka Dr. Ayatullah Faruk Mollah
	Talk on “Comparative study of clustering algorithms: A big data perspective” Dr. Jacek Sroka, Assistant Professor, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw, Poland
	Q & A
4:45-5:00 PM	Tea / Interaction