

INTERNATIONAL WEBINAR

on

Recent Advances in High-performance Distributed Computing

Date: 18th August, 2020, 3.00 PM – 4.30 PM IST

Organized by

Department of Computer Science and Engineering, Aliah University, Kolkata

Title of Talks

Democratization of High Performance Computing in the era of Big Data

By Nandini Mukherjee, Professor, Department of Computer Science & Engineering
Jadavpur University

Migration Techniques in Cloud: Overview and Research Challenges

By Sarbani Roy, Professor, Department of Computer Science & Engineering
Jadavpur University

Speakers

Nandini Mukherjee

Nandini Mukherjee is a Professor and currently the head of the Department of Computer Science and Engineering, Jadavpur University, Kolkata. She is an academician as well as a scientist. She earned her Bachelor of Engineering Degree from the Department of Computer Science and Technology of Bengal Engineering College under Calcutta University, Shibpur in 1987 and obtained her Master of Engineering degree from the Department of Computer Science and Engineering, Jadavpur University, in 1991. Prof. Mukherjee began teaching in the Computer Science and Engineering Department at Jadavpur University in 1992. In 1996 she was awarded the prestigious Commonwealth scholarship for her PhD at the University of Manchester, in the UK. As of 2016 she was also the Director of the University's School of Mobile Computing.

She has more than 30 yrs of teaching experiences and during this long period she has supervised many PhD students. Her research fields include Parallel Computing, Grid Computing, Wireless Sensor Networks (WSN), IoT and sensor cloud. She has published more than 250 research articles in SCI/SCIE journals including IEEE and ACM Transactions, and conferences, several of which are in reputed international venues. She has co-authored one book, entitled Building Wireless Sensor Networks: Theoretical and Practical Perspectives (CRC Press). She has supervised research projects funded by different agencies of the Government of India. Prof. Mukherjee leads a collaborative research project to investigate the application of mobile computing and wireless sensor networks to Indian rural health systems.

Other than being an academician and a scientist, she is involved in several social activities. Prof. Mukherjee became the State Secretary of the Free Software Mancha of West Bengal. She is the Joint Secretary of the Jadavpur University Teachers' Association (JUTA) and an active member of the West Bengal College and University Teachers' Association (WBCUTA).

Sarbani Roy

Sarbani Roy is a Professor in the Department of Computer Science and Engineering, Jadavpur University, Kolkata. She obtained her M.Tech in Computer Science and Engineering from University of Calcutta, India in 2002. She received her Ph.D. degree in Engineering from Jadavpur University, Kolkata, India in 2008. She was awarded Fulbright-Nehru Senior Research fellowship in 2013-2014 and joined the research program at University of North Carolina, Charlotte, USA. Her research interests include AI for Social Good, IoT-Cloud, Social Network Analysis, Geoinformatics and Data Science. She has published SCI/SCIE journals including IEEE and ACM Transactions, Scientific Reports Nature and conferences, several of which are in reputed international venues. She has co-authored one book, Building Wireless Sensor Networks: Theoretical and Practical Perspectives (CRC Press). She has received project grants from DSTNGP, Govt. of India and DSTBT, Govt. of West Bengal. She has been involved in technical program committees, organizing committees for many international conferences. She is a senior member of IEEE, Chairperson of IEEE Computer Chapter, Kolkata Section and member of ACM.

Attendance

Number of Participants: 90

Snapshots

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Website: www.aliah.ac.in

About the Webinar

Data has become the driving force behind business, academic, and social progress, forcing significant advancements in computer processing. High-performance computing (HPC) presents new opportunities to take on emerging challenges in these fields. HPC is classified simply as the aggregation of computing power to solve a given problem. A large cluster can be made of thousands of nodes. In each node there is an HPC processor. The processor may use multiple cores in a CPU or a GPU. On the other hand, HPC is deployed on premise, at the "edge" (i.e. near the data source), or in the cloud. HPC will increasingly be deployed in multi-cloud and hybrid (public and private) environments as well. HPC remains popular in academic and scientific settings and is increasingly used to solve problems in diverse business sectors—such as automotive, finance, economics, and agriculture, among others.

Registration

Only online Registration for the Course.
No Registration Fee.
Online Registration Link:
<https://forms.gle/jUZGEL9BSWQBvYk7>

Registration link also available at
www.aliah.ac.in

Certification

e-Certificate will be sent via e-mail after 7 days of the programme only to those participants who would attend the Webinar.

Important Dates

Last date (Online Registration): 16-08-2020
Selected Participants will be notified by email

Contact Details

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Assistant Professor & Webinar Convener
Computer Science & Engineering Department
Mobile: +91-70034581581
Email: webinar.cse.aliah@gmail.com

Webinar will be broadcasted via Google meet.
Webinar link will be provided through email.

***Mute your speaker/microphone while attending the webinar**
**** Use chat box for question**

Honorary Guests

CHIEF PATRON Prof. Mohammad Ali Hon'ble Vice Chancellor Aliah University	PATRON Dr. Syed Nurus Salam Registrar Aliah University
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CHIEF GUEST
Prof. Mehedi Kalam
Dean, Faculty of Science & Engineering
Aliah University

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Resource Persons

Prof. Nandini Mukherjee
Department of Computer Science and Engineering
Jadavpur University, Kolkata



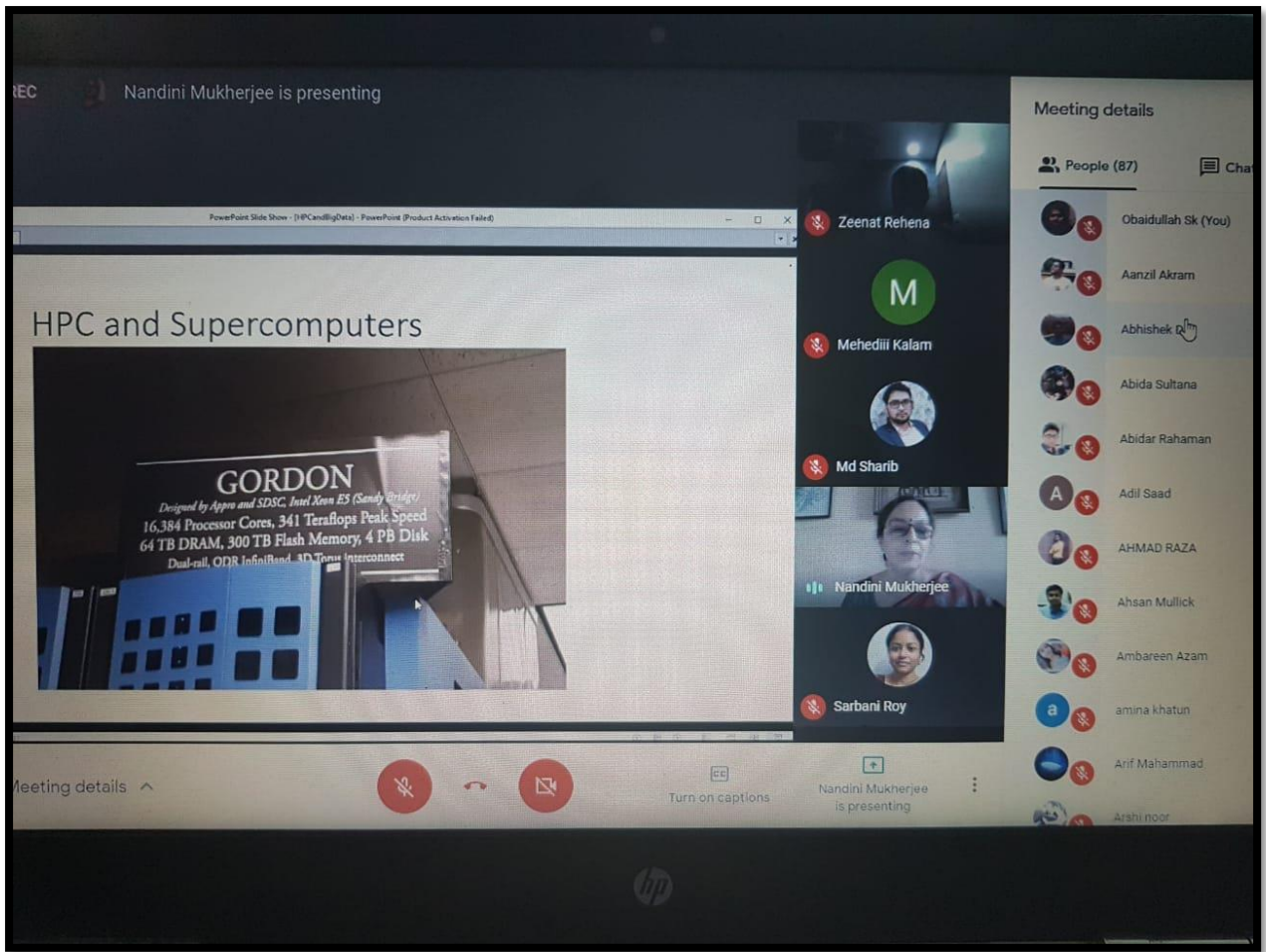
Topic: Democratization of High Performance Computing in the era of Big Data

Prof. Sarbani Roy
Department of Computer Science and Engineering
Jadavpur University, Kolkata



Topic: Migration Techniques in Cloud: Overview and Research Challenges

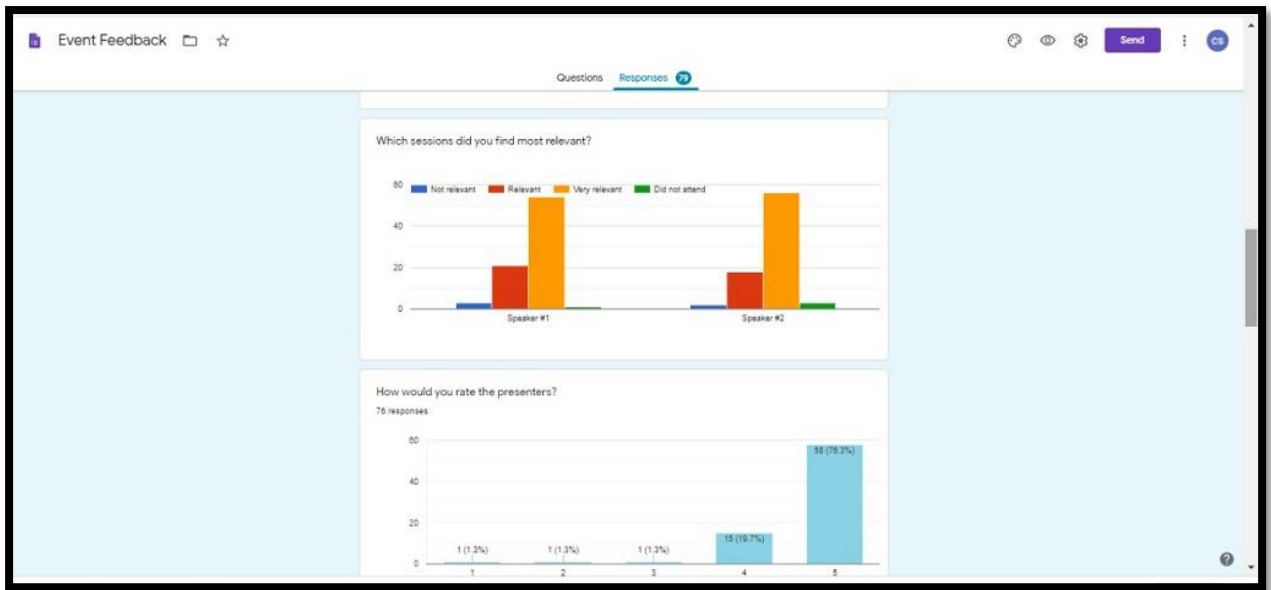
Brochure of the Webinar



Snapshot during presentation



Feedback submitted by the candidates



Feedback submitted by the candidates