

Agenda

High Performance and Cloud Computing Workshop

28/03/2021

09:00 to 18:00

Dr. Tarek Kamel Hall,

Electronics Research Institute, Joseph Tito St, Huckstep, El Nozha, Cairo,
Egypt.

Cairo Time (GMT+2)

Agenda Topics

09:00-09:30 Registration and Virtual Participant Connection

09:30-09:55 Welcome Speech and introducing Science and
Technology Park for Electronics Research and
Industry “ STPERI ”

Prof. Hesham E. Eldeeb

Chairman of Electronics Research Institute (ERI)

9:55-10:00 Welcome Speech and introducing the ERI -
HPCloud Group

Prof. Salwa Nassar

Former Chairman of ERI and founder of
HPCloud Lab

10:00-10:30 ERI Data Center Capabilities

Dr. Basem Ibrahim El-Gindy

Head of Cloud Computing Lab, ERI

Session 1: Keynote1

10:30-11:30 Cloud Performance Monitoring

Dr. Amr Saad

VMware, Australia

11:30-11:45

Coffee Break

Session 2:Keynote2

11:45-12:45 Chaotic Clock Driven Cryptographic Chip:
Towards a DPA Resistant AES Processor

Dr. Ali A. El-Moursy

Computer Engineering Department,
University of Sharjah, Sharjah, UAE

Session 3: HPC at ERI

12:45-13:30	<p>High Performance and Cloud Computing at ERI (HPC, Vclusters, Jupyter Lab and BigData) Eng. Hanan Khaled, Eng. Salema Mohamed and Eng. Maha Dessokey Associate Researchers, Cloud Computing Lab, ERI</p>
13:30- 13:45	<p>CloudSim and Performance Analysis Dr. Amany Saeed Researcher, Cloud Computing Lab, ERI</p>
13:45-14:00	<p>Introduction to Quantum Computing Eng. Maha Metawi Associate Researcher, Cloud Computing Lab, ERI</p>
14:00-14:15	<p>Cloud-based 5G Eng. Wael Afifi Associate Researcher, Cloud Computing Lab, ERI</p>
14:15-15:00	Lunch Break
Session 4:Keynote3	
15:00-16:00	<p>The Technology and Economy of High Performance Computing in the Era of Artificial Intelligence Prof. Mohamed Zahran Computer Science Department, Courant Institute of Mathematical Sciences, New York University</p>
Session 5: Vendor's Technologies	
16:00-16:30	<p>Hybrid Multicloud HPC: The future of Big, Fast Computing Dr. Jay Boisseau AI & HPC Technology Strategist at Dell Technologies</p>
16:30- 16:45	Break
16:45-17:15	<p>NVidia GPU Accelerated Compute and AI for Local Industry Growth Sean McGuire Lead for Higher Education & Research (HER) at NVIDIA, EMEA.</p>
17:15-17:45	<p>Perform large-scale computations using MATLAB and Simulink Eng. Mounzer Saleh Education Account Manager – MENA Region</p>
17:45-18:00	Closing