



The Abdus Salam  
**International Centre  
for Theoretical Physics**



**SPRINGER  
NATURE**

*twas*

**The CODATA-RDA Research Data Science Advanced Workshops on Bio-informatics,  
Climate Data Sciences, Extreme sources of data and Internet of Things (IoT)/Big-Data  
Analytics**

20/08/2018 - 24/08/2018  
Trieste, Italy

**DIRECTORS**

Hodson Simon	CODATA	France
Onime Ehimika Ohireime Clement	Abdus Salam International Centre for Theoretical Physics	Italy
Shanahan Hugh	Royal Holloway, University of London	United Kingdom

**LECTURERS**

Ayub Omer Muhammad	KING ABDUL AZIZ UNIVERSITY, DEPARTMENT OF STATISTICS	Saudi Arabia
Ghouila Amel	Institut Pasteur de Tunis / H3Bionet	Tunisia
Helekal David	University of Dundee	United Kingdom
Lee Jeonghoon	Korea Institute of Science and Technology Information, Division of National Science and Technology Data	Republic of Korea
Okorafor Ekpe Apia	African University of Science and Technology	Nigeria
Psomopoulos Fotis	Institute of Applied Biosciences (INAB  CERTH)	Greece
Saint Martin William	Carnegie Mellon University College of Engineering Department of Information and Communications Technology	Rwanda

Sanchez Pineda Arturo Rodolfo	The Abdus Salam International Centre For Theoretical Physics, High Energy, Cosmology & Astroparticle Physics Section	Italy
Schweikert Gabriele	Cyber Valley Initiative, University of Tuebingen	Germany
Serkin Leonid	High Energy, Cosmology and Astroparticle Physics Department, International Centre for Theoretical Physics	Italy
Sule Mary-jane	Department of Computer Science, Faculty of Natural Sciences University of Jos	Nigeria
Tsagiopoulou Maria	Institute of Applied Biosciences/ Centre for Research and Technology Hellas (INAB/CERTH)	Greece

## **PARTICIPANTS**

---

Addo David Lumor	Kwame Nkrumah University of Science and Technology, Department of Mathematics, Centre for Scientific and Technical Computing ( National Institute for Mathematical Sciences, Ghana (NIMS) ).	Ghana
Ahuno Samuel Terkper	Department of Biochemistry and Biotechnology, Kwame Nkrumah University of Science and Technology, KNUST, PMB	Ghana
Ajilogba Caroline Fadeke	North-West University Mafikeng Campus	South Africa
Anyiam Felix Emeka	Centre for Health & Development (CHD), Faculty of Health Sciences, University of Port Harcourt, Port Harcourt	Nigeria
Ayangbenro Ayansina Segun	Microbial Biotechnology Group, Department of Biological Sciences, (Room 108, New Science Building, Lab G09), Faculty of Agriculture, Science and Technology, North-West University, Private Bag X2046, Mmabatho 2735,	South Africa
Benghanem Mohammed	Taibah University, Faculty of Science, Physics Dept.	Saudi Arabia
Benhrif Oussama	Biotechnology Lab(MedBiotech), Rabat Medical & Pharmacy School, Mohammed Vth University	Morocco

Brito Denise Ribeiro Arthur	Department of Genetic Characterisation of Populations and Biodiversity of the Biotechnology Center of the University Eduardo Mondlane	Mozambique
Chaka Mesfin Diro	Addis Ababa University College of Natural and Computational Science Computational Science Department	Ethiopia
Chaouni Bouchra	University Mohammed V, Faculty of Sciences of Rabat, Departement of Biotechnology, Microbiology, Genetics and Bioinformatics	Morocco
Coidessa Gianluca	National Institute of Oceanography and Experimental Geophysics "OGS. Division of Oceanography. ECHO Group - Ecology and Computational Hydrodynamics in Oceanography.	Italy
Defo Joel	Division of Human Genetics, Department of Pathology, Faculty of Health Sciences.	South Africa
Ed-driouch Chadia		Morocco
Esmaeili Sanjavanmareh Mansour	Shiraz University	Islamic Republic of Iran
Essifi Bouajila	Institut des Regions Arides	Tunisia
Ettetuani Boutaina	The National School of Applied Sciences of Tangier (ENSAT) and Faculty of Medicine and Pharmacy of Tangier Morocco	Morocco
Franco Caroline	Institute for Theoretical Physics, Sao Paulo State University (IFT-UNESP) (Host for ICTP-SAIFR)	Brazil
Gaba Charlene Olayemi Ursula	University of Abomey-Calavi, BENIN. WASCAL (West African Science Service Center on Climate Change and Adapted Land Use)	Benin
Glover Barbara Akorfa	University of Pretoria	South Africa
Grion Natalia	SISSA Cognitive Neuroscience Area Visual Neuroscience Lab	Italy
Hajdu Laszlo	Innorennew CoE	Slovenia
Hitimana Jean Pierre	University of Rwanda, College of Science and Technology	Rwanda

Karrar Ola Zeinalabdin Abdelrahim	Sudan-Khartoum Sudatel Telecom group Sudatel tower P.O.Box: 11155	the Republic of Sudan
Kelaotswe Simisani	Botswana Institute For technology Research and Innovation, Information Systems Technology.	Botswana
Khodadadi Mojtaba	Isfahan University of Technology	Islamic Republic of Iran
Kivouila Saminou Luce Evrard	National Agency of Civil Aviation, Meteorological Departement	Congo
Ledwaba Maphuti Betty	University of Pretoria, Faculty of Veterinary Science Department of Veterinary Tropical Diseases Student Research Laboratories	South Africa
Maulik Ujjwal	Department of Computer Science and Engineering Jadavpur University	India
Mengesha Dagim Yoseph	Institute of Geophysics, Space Science, and Astronomy (IGSSA) Addis Ababa University	Ethiopia
Merazka Fatiha	LISIC Laboratory Telecommunications Department Electronic & Computer Science Faculty University of Science & Technology Houari Boumediene P.O.Box 32 El Alia, Algiers, Algeria.	Algeria
Milovanovic Jelena Ljubisa	Faculty of Science and Mathematics	Serbia
Ngabo Desire	University of Rwanda ,College of Science and Technology, School of ICT , Department of Computer Scince and African Center of Excellence in The internet of Things( ACEIoT)	Rwanda
Nguruwe Herbert Kudakwashe	nter-University Institute for Data Intensive Astronomy (University of Western cape, Physics and astronomy department)(University of Cape Town, Physics and Astronomy department)	South Africa
Nower Naushin	Institute of Information Technology (IIT) University of Dhaka Bangladesh	Bangladesh
Obieze Chinedu Christopher	Africa Centre of Excellence in Oilfield Chemicals Research, University of Port Harcourt.	Nigeria
Omoke Diana Nyanting'a	Kenya Medical Research Institute/ Centre for Global Health Research - Entomology Department	Kenya

Ouso Daniel Obado	International Centre of Insect Physiology and Ecology (icipe) - Molecular Biology and Bioinformatics Unit - Emerging Infectious Disease Laboratory	Kenya
Peralta J.c. Albert I Cabatay	Department of Physics, Ateneo de Manila University Regional Climate Systems Laboratory, Manila Observatory	Philippines
Perseil Isabelle	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE	France
Ratnam Palanikumar Vivek Ananth	C/O Dr. Areejit Samal, Computational biology group, The Institute of Mathematical Sciences (IMSc)	India
Saini Atul	Department of Geography, Delhi School of Economics, University of Delhi, Delhi, India, PIN-110007	India
Santos Gustavo Andre	Universidade Estadual Paulista	Brazil
Serenkova Inna	Gomel State Technical University, Laboratory for physical studies	Belarus
Shaltout Mohamed Elsayed	Alexandria University, Faculty of Science, Department of Oceanography	Egypt
Tenorio Vara Gabriela		Mexico
Tola Yosef Hamba	International Centre of Insect Physiology and Ecology (icipe), Bee	Kenya
Tulu Solomon Gizaw	Addis Ababa University, Faculty of Science, Graduate Programme in Computational Science	Ethiopia
Woldeyohannis Nebiyat Nigusie	Microbial, Cellular and Molecular faculty department of Microbiology, Addis Ababa University	Ethiopia
Zamani Mina		Islamic Republic of Iran