

Advanced School in Applied Machine Learning: Uncertainty and Robustness of DL Models for Science | (SMR 4228)

23 Jul 2026 - 31 Jul 2026
ICTP, Italy

6 Directors

1. BARBIER Jean	(In Pers.)	ICTP	Italy
2. CAZZANIGA Alberto	(In Pers.)	AREA Science Park	Italy
3. DI GIOIA Serafina	(In Pers.)	ICTP/SISSA	-
4. GIROTTO Ivan	(In Pers.)	ICTP	Italy
5. LAINO Teodoro	(In Pers.)	IBM Research	Switzerland
6. TROTTA Roberto	(In Pers.)	SISSA	Italy

12 Lecturers

1. CARNERERO CANO Javier	(In Pers.)	IBM Research	Ireland
2. COSCIA Dario	(In Pers.)	SISSA	Italy
3. DE NOBILI Cristiano	(In Pers.)	Criticality	Italy
4. GONZALEZ ABAD Jose	(In Pers.)	Instituto de Física de Cantabria (IFCA)	Spain
5. KARCHEV Konstantin Juliyev	(In Pers.)	University of Barcelona	Spain
6. LANUSSE Francois	(In Pers.)	CNRS	France
7. MUKHOPADHYAY Payel	(In Pers.)	Cambridge	United Kingdom of Great Britain an
8. REDDI Vijay Janapa	(In Pers.)	Harvard University	United States of America
9. SANTILLI Andrea	(Online)	NVIDIA	Italy
10. SCAFFIDI Andre Joshua	(In Pers.)	SISSA	Italy
11. SHAWE-TAYLOR Stewart John	(In Pers.)	University College London UCLDepartment of Computer ScienceCentre for Computational Statistics and Machine Learning	United Kingdom of Great Britain an
12. STROBELT Hendrik	(In Pers.)	IBM Research	United States of America

1 Speaker

1. ANANDKUMAR Anima	(Online)	CALTECH	-
---------------------	----------	---------	---

1 Tutor

1. OLMO PEREZ Matias Ezequiel	(In Pers.)	Barcelona Supercomputing Center	Spain
-------------------------------	------------	---------------------------------	-------

158 Participants

1. ABDELLAOUI Benyoussef	(Online)	Ibn Tofail University Laboratory of Engineering Sciences National School of Applied Sciences	Morocco
2. ABDUL RAHMAN Amirudeen	(Online)	Chulabhorn Royal Academy	Thailand
3. ABISOYE Olatunde Blessing	(Online)	University of Johannesburg, Faculty of Engineering and the Built Environment, Department of Electrical and Electronic Engineering Science.	South Africa
4. ABISOYE Opeyemi Aderiike	(Online)	Federal University of Technology Department of Computer Science School of Information and Communication Technology (SICT)	Nigeria
5. ACQUAH Isaac Kwesi	(Online)	University of Ghana (LEGON) School of Nuclear and Allied Sciences Department of Medical Physics	Ghana
6. ADAMI Vadood	(Online)	University of Mohaghegh Ardabili Department of Physics	Iran (Islamic Republic of)
7. ADIB Youssef	(Online)	Mohammed V University LPHE-Modeling and Simulation	Morocco
8. AGRE Lionceau Clovis	(Online)	FRIARE (Fondation Ratheil pour une Intelligence Artificielle Responsable et Efficiente)	Benin
9. AIYEDE Emmanuel Omatozaye	(Online)	Control Systems Department of Electrical, Electronic and Computer Engineering University of Pretoria	South Africa

10.	ALADRAH Nicola	(In Pers.)	Università degli Studi di Trieste	Italy
11.	ALI Marwa Farouk Mohammed	(Online)	Ain Shams University Faculty of Science Maths Department	Egypt
12.	ALISOLTANI Tarkan	(Online)	University of Tehran	Iran (Islamic Republic of)
13.	ALJADAA Amro Adel Abdallatif	(Online)	SESAME	Jordan
14.	ALOQLA Abdulaziz Mohammed	(In Pers.)	Qassim University College of Computer Department of Information Technology	Saudi Arabia
15.	ANJARA RAKOTONDRANISA Onintsoa	(Online)	University of Cape Town, Faculty of Science, Department of Mathematics and Applied Mathematics, High Energy Physics, Cosmology & Astrophysics Theory (HEPCAT) Group	South Africa
16.	ANWAR Ehtesham	(Online)	Department of Polymer Science and Engineering Division CSIR National Chemical Laboratory	India
17.	AQUINO Galleros Patrick Vincent	(Online)	Princess Srisavangavadana Faculty of Medicine Chulabhorn Royal Academy	Thailand
18.	ARSHAD Muhammad Haseeb	(Online)	COMSATS Institute of Information Technology Department of Electrical Engineering	Pakistan
19.	ASIA Munaza	(In Pers.)	University of the Punjab	Pakistan
20.	AYADI Asma	(In Pers.)	National Center for Nuclear Sciences and Technologies CNSTN	Tunisia
21.	AZAM Alif	(Online)	Department of Physics, Shahjalal University of Science and Technology	Bangladesh
22.	BAHRI Mohammed	(Online)	Higher Institute of Health Sciences	Morocco
23.	BASYOUNI Mohamed Ahmed Asmaa	(In Pers.)	Sissa (International School for Advanced Studies)	Italy
24.	BATRA Srishti	(In Pers.)	National Centre for Biological Sciences, NCBS- TIFR	India
25.	BEKERA Ahmedin Beyan	(In Pers.)	Independent Research	United Arab Emirates
26.	BELLAGROUDI Ahmed	(Online)	Mohammed V University Physics Department, Condensed Matter and Interdisciplinary Sciences Laboratory	Morocco
27.	BENAYAD Mohamed	(Online)	Faculty of Sciences Ain Chock Hassan II University	Morocco
28.	BENDI Muhammad Indra	(Online)	Indonesia Meteorology Climatology and Geophysics Agency (BMKG)	Indonesia
29.	BEN YOUSSEF Sirine	(Online)	Faculty of Sciences of Tunis	Tunisia
30.	BHOWMICK Amiya Ranjan	(Online)	Institute of Chemical Technology Department of Mathematics	India
31.	BUTT Minahil Adil	(In Pers.)	Scuola Internazionale Superiore di Studi Avanzati (SISSA) International Centre for Theoretical Physics (ICTP)	Italy
32.	CASIRAGHI Tadeo	(Online)	Universidad de San Andrés Departamento de Ingeniería Laboratorio de Inteligencia Artificial y Robótica (LINAR)	Argentina
33.	CHAKKOUR Ihssan	(Online)	Laboratory of Condensed Matter and Interdisciplinary Sciences (LaMCScl) University Mohammed v Faculty of sciences rabat	Morocco
34.	COULIBALY Houebagnon Saint Jean Patrick	(Online)	Université FELIX HOUPHOUËT-BOIGNY	Cote d'Ivoire
35.	CUCKIC Nikolija	(In Pers.)	Faculty of Science and Mathematics Department of Computer Science University of Niš	Serbia
36.	DARC DE MATOS Phelipe Antonie	(In Pers.)	Artificial Intelligence for Physics Laboratory (Lab-IA) Centro Brasileiro de Pesquisas Físicas	Brazil
37.	DO VALLE ALVARENGA Joao Pedro	(In Pers.)	Dipartimento di Elettronica, Informazione e Bioingegneria Politecnico di Milano	Italy
38.	EL ALAQUI Bouchra	(Online)	Mohammed V University Department of Physics LPHE-Modeling and Simulation	Morocco
39.	EL ASLANI Malika	(Online)	University of Hassan II Casablanca Physics Laboratory of Applied and Thermal Materials	Morocco
40.	EL HAFIDY Abderrahim	(In Pers.)	Software Project Management Research Team ENSIAS Mohammed V University in Rabat	Morocco
41.	EL HAOUAT Achraf	(In Pers.)	LPHE-Modeling and Simulation Faculty of Sciences Mohammed V University in Rabat	Morocco
42.	EL MOKHTARI Brahim	(In Pers.)	Institut Pascal	France
43.	EL MOTAOUKEL Assia	(Online)	IPSS, Intelligent Processing and Security of Systems Faculty of Sciences Mohammed V University in Rabat	Morocco

44.	EL MOURABIT Yousef	(In Pers.)	TIAD Laboratory, Faculty of Sciences and Technics, Sultan Moulay Slimane University	Morocco
45.	FERDOUS Tasnim	(In Pers.)	University of East London Dept. of Computer Science & Digital Technologies School of Architecture, Computing and Engineering	United Kingdom of Great Britain an
46.	FERNANDEZ CRISCUOLO Facundo	(Online)	Instituto Tecnológico de Buenos Aires (ITBA)	Argentina
47.	FIFEN Hassan	(In Pers.)	African Institute for Mathematical Sciences Research and Innovation Centre	Rwanda
48.	FOMEKONG PIATA Stevine	(Online)	University Of Yaounde I Department Of Physics	Cameroon
49.	FORERO MAZO Juan Sebastian	(Online)	University of Quindío	Colombia
50.	GAIDI Safae	(Online)	Rabat University Department of Physic Laboratory of High Energy and Simulation	Morocco
51.	GAMBARO Nicola	(In Pers.)	Department of Earth Science and Engineering Imperial College London	United Kingdom of Great Britain an
52.	GAOLAPE Boitumelo	(Online)	-	Botswana
53.	GASU Edward Ntim	(Online)	ICTP-East African Institute for Fundamental Research University of Rwanda	Rwanda
54.	GEBRE Mesay Geletu	(Online)	Federal University of Rio Grande do Norte	Brazil
55.	GEDAMU Dagmawi Misker	(Online)	Research Student African Institute for Mathematical Sciences (AIMS)	South Africa
56.	GELABERT CORTE Julian Franco	(Online)	Universidad Nacional de Rosario Facultad de Ciencias Exactas, Ingeniería y Agrimensura	Argentina
57.	GETAHUN Yitea Seneshaw	(Online)	Debre Berhan University College of Agriculture and Natural Resources Sciences Department of Natural Resources Management	Ethiopia
58.	GHIYASI Behzad	(Online)	University of Tehran Department of Environmental Engineering	Iran (Islamic Republic of)
59.	GHOSAL Koustav	(Online)	Indian Institute of Technology (Indian School of Mines) Dhanbad	India
60.	GOMAA Walid Elsayed Aly	(Online)	Egypt-Japan University of Science and Technology	Egypt
61.	HABIBALLAH Aya	(Online)	School of Digital Engineering and Artificial Intelligence (EIDIA) Euromed University of Fez	Morocco
62.	HANBALI Badreddine	(Online)	University Mohammed VI Polytechnic	Morocco
63.	HASSAN Md Shamim	(Online)	Department of Nuclear Science & Engineering (NSE) Military Institute of Science and Technology Mirpur Cantonment	Bangladesh
64.	HERRERA RAMIREZ Jorge Alexis	(Online)	Instituto Tecnológico Metropolitano (ITM)	Colombia
65.	HOVHANNISYAN Vahan	(In Pers.)	A. I. Alikhanyan National Science Laboratory Department of Theoretical Physics	Armenia
66.	HUAPAYA ZAGACETA Hashira Malu	(Online)	Universidad Nacional Agraria La Molina	Peru
67.	HUSEIN Mohamad Sukron Fajrin	(Online)	National Research and Innovation Agency of Indonesia Directorate of Nuclear Facility Management	Indonesia
68.	IBRAHIM ABDELRAHMAN ELHASSAN NADA	(In Pers.)	Università degli Studi di Messina Department of Mathematical and Computer Sciences, Physical Sciences and Earth Sciences (MIFT)	Italy
69.	INDRA Indra	(Online)	-	Indonesia
70.	IRANI Amir Hossein	(Online)	American International University	Kuwait
71.	ISLAM Md Shamimul	(Online)	Institute of Computer Science(ICS) Atomic Energy Research Establishment Bangladesh Atomic Energy Commission	Bangladesh
72.	JAMAL Umair	(Online)	National University of Sciences & Technology (NUST), H-12 Campus, Islamabad, Pakistan	Pakistan
73.	JAQ Rosales Jazzie	(Online)	The Environment And RemoTe sensing researchH (EARTH) Group, Department of Physics, College of Science, De La Salle University Manila, Philippines	Philippines
74.	JARA BERROCAL Abelardo Tomas	(Online)	National University of Engineering College of Electronics Engineering	Peru
75.	JAVED Nimra	(Online)	Assistant Professor University of Sialkot	Pakistan
76.	JDAI Mouhaba	(Online)	Faculty of Sciences of Tunis (FST)	Tunisia
77.	KHAN Firdos	(Online)	School of Natural Sciences (SNS) National University of Sciences and Technology (NUST)	Pakistan

78.	KHAN Shahzaib	(In Pers.)	Computer Science and Information Technology Department, NED University of Engineering and Technology	Pakistan
79.	KHODADADI SHOUSHARI Fereshteh	(Online)	KIO medical Nuclear Engineering Department Shiraz University	Iran (Islamic Republic of)
80.	KUMAH Maxwell Seyram Kwame	(Online)	St. Teresa's College of Education Department of Mathematics & Ict	Ghana
81.	KUMAR Ashok	(Online)	University of Jammu Department of Computer Science & Engineering	India
82.	KUMARI Alisha	(Online)	Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior	India
83.	KUMELA Alemayehu Getahun	(Online)	Center Inria d'Universite Cote d'Azur	France
84.	KUMMARAGUNTA Venkata Sriharsha	(Online)	-	India
85.	LABADI Mohamed	(Online)	Hassiba Benbouali University of Chlef	Algeria
86.	LAL Bharat	(In Pers.)	CURAM Research Ireland Center for Medical Devices University of Galway, Ireland	Ireland
87.	MAHIDA Yashrajsinh Harendrasinh	(Online)	Cosmology with Statistical Inference Lab Department of Astronomy, Astrophysics and Space Engineering Indian Institute of Technology Indore	India
88.	MANINATHAN Mohana	(Online)	All India Institute of Medical Science Department of Radiation Oncology	India
89.	MARCHEZI Jose Paulo	(In Pers.)	University of New Hampshire Physics & Space Science Center Morse Hall	United States of America
90.	MARTINEZ HEREDIA Leandro	(In Pers.)	Centro de Química Inorgánica - CEQUINOR (CONICET-UNLP)	Argentina
91.	MARZIK Guillermo	(Online)	Comisión Nacional de Energía Atómica Gerencia de Investigación y Desarrollo Sub-gerencia Tecnología y Aplicaciones de Aceleradores	Argentina
92.	MASTOI Sanaulah	(Online)	Quaid E Awam University of Engineering Science and Technology Nawabshah	Pakistan
93.	MEDIFFO TBOUGANG Blanche Adiani	(Online)	AIMS(African Institute for Mathematical Science)	Cameroon
94.	MELLIT Ahmed	(In Pers.)	Mohamed 5 University of Rabat	Morocco
95.	MESTRY Dipali Vasudev	(Online)	Institute of Chemical Technology, Mumbai	India
96.	MEVADA Niyati Upendra	(Online)	Department of Physics School of Energy Technology Pandit Deendayal Energy University	India
97.	MOHAMED Sohila Sameh Eid Mahmoud	(Online)	Fayoum University Faculty of Science Physics Department	Egypt
98.	MORADI Mona	(Online)	Islamic Azad University	Iran (Islamic Republic of)
99.	MOSCA Federico	(Online)	Institute of Interdisciplinary and Applied Physics (INFIA) University of Buenos Aires (UBA) Faculty of Exact and Natural Sciences (FCEN) Department of Physics (DF)	Argentina
100.	MUGENGA Ineza Remy	(Online)	African Institute for Mathematical Sciences	Rwanda
101.	MUMUNI Hanifatu Napari	(Online)	African Institute for Mathematical Sciences	Ghana
102.	MURUKESH Midhun	(Online)	Indian Institute of Science Education and Research Climate and Glacier Modelling Laboratory	India
103.	NASEF Eman Ehab Abdelsalam Abdo	(Online)	Nile University (NU) Information Technology and Computer Science (ITCS) Center of Information Sciences (CIS)	Egypt
104.	NAWOYA Sarah	(Online)	Makerere University College of Design, Art and Technology Department of Electrical and Computer Engineering	Uganda
105.	NERSESYAN Diana	(In Pers.)	University of Vienna Faculty of Computer Science Master of Data Science	Austria
106.	NIEVES CUADRADO Joan Andres	(In Pers.)	Intituto de Cibernética Matemática y Física	Cuba
107.	NIGAM Shantanu	(Online)	IIT Delhi Harvard University MIT	India
108.	OMAR Khaled	(Online)	Damascus University Information technology engineering college Artificial intelligence department	Syrian Arab Republic
109.	OUBAOUZINE Abdelali	(Online)	Computer Science and Systems Laboratory (LIS), Department of Mathematics and Computer Science, Faculty of Sciences Ain Chock, Hassan II University of Casablanca, Morocco.	Morocco
110.	OUJBARA Abdeltif	(In Pers.)	Le Havre Normandy University	France

111.	OUKHOUYA Hassan	(In Pers.)	Mohammed First University of Oujda Laboratory of Stochastic and Deterministic Modeling (LaMSD) Team of Statistical Modeling and Applications to Economics (MSASE)	Morocco
112.	PEREZ ORTIZ Rodrigo Emilio	(In Pers.)	University of Bologna	Italy
113.	PÉREZ RÍOS Laura	(Online)	-	Colombia
114.	PIERRE Sebastien Alexandre Nicolas	(In Pers.)	Laboratoire de physique de l'école normale supérieure	France
115.	QUISPE CASTILLO Patricia Araceli	(Online)	Universidad Nacional de La Plata III-LIDI - Instituto de Investigacion en Informática - LIDI	Argentina
116.	RASHED Md Golam	(Online)	Dept. of Information and Communication Engineering Faculty of Engineering University of Rajshahi	Bangladesh
117.	RATIANARIVO Fahendrena Gabryella	(Online)	-	Madagascar
118.	RAYO Joshua Frankie	(In Pers.)	International Center for Theoretical Physics Master in High Performance Computing Program	Italy
119.	RAZU Fahim Mahmud	(Online)	University of Dhaka Department of Nuclear Engineering	Bangladesh
120.	REMAIDA Ahmed	(Online)	National School of Applied Sciences, Ibn Tofaïl University	Morocco
121.	RUKUNDO Venuste	(Online)	University of Rwanda College of science and technology Department of Physics Material Science	Rwanda
122.	SADATI Elham	(Online)	Firoozgar Hospital	Iran (Islamic Republic of)
123.	SADEGHI Mohammadhossein	(Online)	Shiraz University	Iran (Islamic Republic of)
124.	SADHUKHAN Poulami	(Online)	Physical and Materials Chemistry Division CSIR- National Chemical Laboratory	India
125.	SADIGOVA Amida	(Online)	Laboratory of Quantum Information Science Institute of Physics Azerbaijan National Academy of Sciences	Azerbaijan
126.	SAFARPOURDOBAKSHARY Aminreza	(Online)	Shahid Beheshti University Department of Physics	Iran (Islamic Republic of)
127.	SALVADOR Michele Aparecida	(Online)	Department of Sciences and Methods for Engineering University of Modena and Reggio Emilia	Italy
128.	SAO TEMGOUA Myke Vital	(In Pers.)	University of Yaounde I Faculty of Sciences Department of Physics	Cameroon
129.	SARTI Paolo	(In Pers.)	Scuola Imt Alti Studi Lucca - NETWORKS unit Università di Pisa (Unipi) Computer Science Department	Italy
130.	SHAMSI Shoaib Jamal	(In Pers.)	University of Belgrade Department of Astronomy	Serbia
131.	SHINDE Hari Prakash	(Online)	Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) Tata Memorial Centre	India
132.	SHOAIB Hamna	(Online)	Physics Department Quaid-i-Azam University	Pakistan
133.	SHUVO Hossen Shahadat	(Online)	Department of Medical Physics and Biomedical Engineering Gono University	Bangladesh
134.	SIDDHARTH KUMAR	(Online)	Indian Institute of Tropical Meteorology Parameterization and Analysis Group	India
135.	SIDIBE Mariam	(Online)	University of Sciences Techniques and Technologies of Bamako (USTTB)	Mali
136.	SINAPILO Deligente Abdel Jalal	(In Pers.)	Artificial Intelligence Program, National Graduate School of Engineering, University of the Philippines	Philippines
137.	SUAREZ GOMEZ Andres David	(Online)	Universidad Nacional Abierta y a Distancia - UNAD Ingeniería Electrónica, CEAD	Colombia
138.	TAGHAVI Saeed	(Online)	Zapata-Briceño Institute of Neuroscience	Spain
139.	TAWFIG MOHAMMED AHMED MOHAMMED	(Online)	Department of Earthquake Engineering IIT Roorkee	India
140.	TCHAKAM Duplex Cedric	(Online)	Faculty of Sciences at the University of Douala Applied Computer Science Laboratory	Cameroon
141.	TEREFE Eninges Asmare	(Online)	Addis Ababa University College of Natural and Computational Science Polymer Physics Lab	Ethiopia
142.	TORRE DE SETA Gabriel Gregorio	(In Pers.)	Universidad de Buenos Aires Facultad de Ingeniería Instituto de Ingeniería Biomédica	Argentina
143.	TORRES VARGAS Gamaliel	(In Pers.)	Universidad Autonoma del Estado de Hidalgo	Mexico
144.	TOUKAP WANKAP ANKAP Erine Cabrelle	(In Pers.)	University of Sussex – School of Mathematical and Physical Sciences,	United Kingdom of Great Britain and
145.	TSHIANGOMBA Reagan Kasonsa	(In Pers.)	Sapienza University of Rome	Italy
146.	TSHIPI John Tshegofatso	(Online)	Sol Plaatje University	South Africa

147.	TUKADIYA Namrataben Arjan	(Online)	University of Baroda Department of Physics	India
148.	UCAN PUC Manuel Alejandro	(Online)	Tecnologico de Monterrey School of Engineering and Science Science Department	Mexico
149.	VAEZI Seyedkamal	(Online)	University of Tehran, Faculty of Management Ministry of Science Research and Technology	Iran (Islamic Republic of)
150.	VAIBHAV	(Online)	Rajiv Gandhi Institute of Petroleum Technology	India
151.	VALENCIA GASTI Jose Augusto	(Online)	Instituto de Investigaciones Oceanológica Universidad Autónoma de Baja California	Mexico
152.	VERMA Ashwini Dinanath	(Online)	Aganitha Cognitive Solutions	India
153.	VILLEGAS ANDINA Atuel Elias	(Online)	Universidad Nacional de Tucumán Facultad de Ciencia Exactas y Tecnologia	Argentina
154.	VU Van Binh Henri	(In Pers.)	IT4Innovations National Supercomputing Center	Czechia
155.	YAMI Mina	(In Pers.)	CAPA Universidad de Zaragoza	Spain
156.	YODA Adaman	(Online)	National Meteorological Agency of Burkina Faso Climatology Division Operational Research Department	Burkina Faso
157.	ZAIR Hakima	(In Pers.)	Hassan II University Faculty of sciences Ain Chock Departement of Geology, Geosciences Laboratory	Morocco
158.	ZHUK Dmytro	(In Pers.)	University of Vienna Faculty of Computer Science	Austria