



الجامعة الألمانية الأردنية  
German Jordanian University

# PHYSICS WITHOUT FRONTIERS: PALESTINE

## Summer School Machine Learning

### DESCRIPTION:

This summer school is an intensive one-week program designed to equip students with practical knowledge of machine learning and its real-world applications. The program combines lectures, tutorials, and collaborative projects in areas such as healthcare, bioinformatics, climate resilience, and economics. It also aims to build digital skills, foster innovation, and strengthen collaboration between Palestinian, regional, and international institutions.

### ORGANIZING COMMITTEE:

Prof. Kamel Jebreen, Palestine Technical University – Kadoorie, Palestine  
Prof. Edriss S. Titi, University of Cambridge, UK  
Prof. Anas Atieh, German Jordanian University, Amman, Jordan  
Prof. Jean Barbier, ICTP, Italy  
Prof. Munther Dahleh, MIT, USA  
Prof. Marzyeh Ghassemi, MIT, USA  
Prof. Mohsen Kayal, IRD, Marseille, France  
Prof. Hala J. El-Khozondar, Islamic University of Gaza, Palestine  
Dr. Natasa Stojic, ICTP, Italy  
Dr. Eqbal Radwan, Aix-Marseille University, France  
Eng. Salma Abu Ayyash, HTU, Jordan  
Prof. Bilal Younis, Palestine Technical University – Kadoorie, Palestine  
Dr. Rami Amro, Palestine Technical University – Kadoorie, Palestine  
Mr. Omar AlShamisti, Palestine Technical University – Kadoorie, Palestine  
Mr. Essa Amleh, Palestine Technical University – Kadoorie, Palestine

### TOPICS:

- Supervised learning
- Unsupervised learning
- Deep learning and neural networks
- Feature selection in machine learning
- Tools and libraries for ML: (Python, Scikit-learn, TensorFlow)
- Team project building and design

### SPEAKERS:

Prof. Koutsojannis Constantinou, University of Patras, Greece  
Prof. Munther Dahleh, MIT, USA  
Prof. Marzyeh Ghassemi, EECES/IMES, MIT, USA  
Prof. Anas M. Atieh, German Jordanian University, Jordan  
Prof. Sahar Qaadon, German Jordanian University, Jordan  
Prof. Mohammad Bany Taha, The American University of Madaba, Jordan  
Prof. Ola Surakhi, The American University of Madaba, Jordan  
Prof. Khalid Alermerin, American University of Madaba, Jordan  
Prof. Hamzah AlQudah, American University of Madaba, Jordan  
Prof. Huthaifa Abuhammad, The University of Jordan, Jordan  
Dr. Wafa Kammoun, Pasteur Institute of Tunis, Tunisia



1 - 8 June 2026



Amman, Jordan



Deadline:

25 April 2026



Apply Now

### DIRECTORS:

- Prof. Kamel Jebreen, Palestine Technical University – Kadoorie, Palestine
- Prof. Anas Atieh, German Jordanian University, Amman, Jordan

### GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to those with a strong background in statistics and Python. There is no registration fee.



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