

Dear Attendees and Speakers of the Informatics Section Workshop,

I am sharing with you the tentative program and information for the Workshop, which will be « live ». I do not know whether facilities for online participation will be available.

Please note that you will have to register for the AE Conference at the following web site, where you can also find information about accomodation:

[www.buildingbridges2023.com](http://www.buildingbridges2023.com)

The workshop will be open to participants from other Sections of AE.  
It will be held on October 9, 14.00-19.30, at Geschwister-Scholl-Platz 1.

Best wishes, Erol Gelenbe MAE FIEEE FACM

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### **Informatics Section Workshop (Half-Day Meeting) with 15 minute talks, 5 minutes for questions**

14.00 Welcome, by Erol Gelenbe

#### **AI Related Presentations:**

- 14.05-14.20 [Yonina Eldar](#): "Model Based Deep Learning: Applications to Imaging and Communications"
- 14.25-14.40 [Rachid Deriche](#): "From Computational Imaging to Brain Connectomics: A Geometrical Perspective"
- 14.45-15.00 [Guoying Zhao](#): "Towards vision-based emotion AI"
- 15.05-15.20 [Changwen Chen](#): "Contemporary Visual Computing for 6G Semantic Communication"
- 15.25-15.40 [Erol Gelenbe](#): "The Random Neural Network & Challenges of Cyberattack Detection and Mitigation"
- 15.45-16.00 [Boris Mirkin](#): "Computational modeling of cognitive generalization in taxonomy: method and applications"

#### **Brief Break 20 mins**

#### **Networked Systems:**

- 16.20-16.35 [Marco Ajmone Marsan](#): "The Multiserver Job Queueing Model"
- 16.40-16.55 [Fuad Aleskerov](#): "Network Analysis of Food Security"
- 17.00-17.15 [Jacek Blazewicz](#): "From graph theory to the Genomic Map of Poland"
- 17.20-17.35 [Song Guo](#): "How Computing Power Network Innovates the World: a Vision of Future Network"

#### **Programming Methods:**

- 17.40-17.55 [Reinhard Wilhelm](#): "Real-time verification"
- 18.00-18.15 [Wolfgang Reisig](#): "Modeling is the new programming"

#### **Final Talk:**

- 18.20-18.35 [Ricardo Baeza Yates](#): "The Ethics of AI"