

TRANSLATIONAL AI AND ENGINEERING

in Health and Communication

The David Lopatie Conference Centre
Weizmann Institute of Science

27
December
2022

08:30 Gathering and Refreshments

09:00 Welcome

09:15 SESSION 1: TECHNOLOGIES IN THE ERA OF BIG DATA

09:15 Yonina Eldar, Weizmann Institute of Science
Introducing the Center for Biomedical Engineering

09:25 Yonina Eldar, Weizmann Institute of Science
Efficient Data Processing for Enhanced Technologies

10:00 SESSION 2: AI AND TECH FOR HEALTHCARE

10:00 Keren Peri, Weizmann Institute of Science
AI and Signal Processing for Healthcare

10:20 Yoni Eder, Weizmann Institute of Science
Radar for Health

10:35 Coffee Break and Demo Session

11:00 Eli Konen, Sheba Medical Center
AI in Medical Imaging: The Road Map

11:20 Efrat Shema, Weizmann Institute of Science
Liquid Biopsies for Cancer Diagnostics

11:40 Leeat Keren, Weizmann Institute of Science
Multiplexed Imaging - A New Frontier in Digital Pathology

12:00 Round Table Discussion
Leveraging Signal Processing and AI for Healthcare and Technology

12:40 Lunch and Demo Session

13:30 SESSION 3: COMMUNICATION AND RADAR

13:30 Nimrod Glazer, Weizmann Institute of Science
Future Communication and Sensing Systems

13:50 Nir Shlezinger, Ben Gurion University
Model-Based AI for Communication

14:10 Assaf Touboul, Qualcomm
Evolving 5G Technologies Toward 6G



Registration



shorturl.at/akGLV



Organizers

**Manya Igel Center for Biomedical
Engineering and Signal Processing**
Weizmann Institute of Science



Campus Map



map.weizmann.ac.il



**Conference Coordinator
& Accessibility Issues**

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