# The HIT Multidisciplinary Grid 2020 Conference
## Conference Program – Monday, 23 November 2020 [GMT+3]

### Opening

**10:00–10:30**  
*Welcome and greetings*  
Prof. Eduard Yakubov, President, HIT  

*Opening remarks*  
Dr. Nava Shaked, Head, the Department of Multidisciplinary Studies, HIT  

**10:30-11:00**  
*Keynote lecture*  

**Data Science – A Primary Enabler to an Academic Grid**  
Professor Niv Ahituv, Collar School of Management, Tel Aviv University

### Session I: Educational Environments of the Grid | 11:00-12:00

#### Duet A

**Deployment of an Educational Grid Enhanced by a Humanoid Robot (HR): A Showcase of an Implementation in a Team-Based Training**  
Dr. Dan Kohen-Vacs and Prof. Gila Kurtz, Faculty of Instructional Technologies, HIT  

**Storytelling in Virtual Reality: A Multidisciplinary and Immersive Experience with a Grid Methodology for Students**  
Tom Peeters, Kristof Timmerman, Dr. Silvia Van Aken, Jeroen Cluckers, Dr. Wannes Heirman, and Frederik Marain, AP University of Applied Science and Arts, Antwerp (Belgium)

#### Duet B (in parallel)

**Learning in the Grid: The Socio-spatial Processes that Shape Learning in the Digital Era**  
Dr. Hagit Meishar-Tal, Faculty of Instructional Technologies, HIT  

**What if…? Chemistry-Art Fusion in Action**  
Dr. Debora Marchak, Science-Teaching Department, the Weizmann Institute of Science & Ort Arad Highschool

### Session II: Gridded Plans and Architectures | 12:00-13:00

#### Duet A

**Practical Town Planning, Urban Art, and Geography: The Grid Specialized**  
Prof. Renato Leão Rego, Department of Architecture and Urbanism, State University of Maringá, Brazil  

**Centrifugal versus Processional: Divine Power and Mundane Power in Ancient Chinese Funeral Grids**  
Dr. Shaoqian Zhang, Department of Art, Graphic Design, and Art History, Oklahoma State University
Rediscovering Cerdá’s Grid Plan  
Arch. Daniel Azerrad, Ariel University’s School of Architecture

The Gridded Society: Residential Patterns and Social Mobility in Spanish American Cities in the 18th Century  
Dr. Hillel Eyal, Department of Multidisciplinary Studies, HIT

Virtual tour at HIT's multidisciplinary Vitrina Gallery | 13:00-13:30

A visit at the 3D digital expo: Gridded Fabric(-actions)

Prelude: Dr. Liora Bigon, Department of Multidisciplinary Studies, HIT

Session III: The Grid – Artistic Impressions | 13:30-14:30

The Grid in Sound: How the Tools Shape Us
Prof. Dr. Josef (Seppo) Gründler, FH JOANNEUM University of Applied Sciences

Between Technological and Aesthetic Grids: Philosophical Challenges Posed by AI Artists
Sagit Alkobi Fishman, Independent Digital Artist & New Media Scholar

The Grids of Computational Art Production, or: On a Convergence of Artist, Instrument Maker, and Fabricator  
Frank Bauer, Elsa-Neumann PhD Fellow, Institute for Architecture and Urban Planning, Berlin University of the Arts

LEGEND: Art as a Grid of Truths and Lies
Arch. Tamer Lev-On, Faculty of Design, HIT

Session IV: Grids of Biology and Technology | 14:30-15:30

Bio-Inspired Grid Strategies for Collective Coordination
Dr. Sayfan G. Borghini, Faculty of Design, HIT

Meditation on Biology and Technology: Mechanisms as a Grid
Dr. Amos Bardea, Faculty of Engineering, HIT

Locating Facilities by the Properties of the Hexagonal Regular Grid
Dr. Shai Gul, Faculty of Sciences, HIT and Prof. Reuven Cohen, Mathematics Dept., Bar-Ilan University

Measures of Well-Being and Technology Intensity in a Grid Framework
Prof. Arik Sadeh, Faculty of Technology Management, HIT

Open Circle | 15:30-16:00

Discussant: Prof. Dr. Andreas Zehetner, University of Applied Sciences Upper Austria (FH OÖ)