

## INM COLLOQUIUM

“FROM GUTENBERG BIBLE TO 4D PRINTING”

Prof. Dr. Shlomo Magdassi

The Hebrew University of Jerusalem, Israel

Tuesday, 08.01.2019, 11:00 am

INM, Campus D2 5, Leibniz-Saal

Host: Prof. Dr. Tobias Kraus

Printing brings new opportunities in printing functional patterns, beyond the conventional graphic output. The synthesis and formulations of nanoparticles and inks will be presented, along with their utilization in printed devices, responsive and 3D objects. New approaches for making electrical circuits composed of silver, copper and carbon nanotubes will be presented, for applications in printed electronics, as well as new materials and processes for 3D and 4D printing. Utilization of 3D and 4D printing technologies for fabrication of objects composed of ceramics, shape memory polymers, elastomers and hydrogels will be demonstrated, for a variety of fields such as soft robotics, drug delivery systems, medical devices and Internet of Things (IoT).



Shlomo Magdassi is a professor at the Institute of Chemistry, The Hebrew University of Jerusalem, Israel. His research focuses on formation, formulation and applications of micro and nanoparticles in various fields, including 2D, 3D and 4D printing. The results of some of his research led to industrial activities such as worldwide sales and establishing new companies. Currently he is the Head of the Institute of Chemistry, and of the Functional and 3D Printing Center at The Hebrew University.

See <https://scholars.huji.ac.il/magdassi/home>

You are invited to have coffee with the speaker 15 minutes before the talk starts.

### KONTAKT

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