

# Metal-Directed Assembly and Metal-Organic Frameworks

ICS Symposium Honoring Wolf Prize Laureates  
Makoto Fujita and Omar M. Yaghi

May 30<sup>th</sup>, 2018



## Technion, Schulich Faculty of Chemistry, Hall 1

08:30-09:00 **Gathering and Registration**

09:00-09:30 **Opening session**

**Prof. Ehud Keinan**, Technion, President, Israel Chemical Society

**Prof. Adam Schwartz**, Technion, Senior Executive Vice President

**Prof. Daniel Hershkowitz**, Technion, Chairman, National Council of R&D

**Prof. Sir James Fraser Stoddart**, Northwestern University Evanston, IL, USA

### Session 1

**Chair: Prof. Ehud Keinan**, Technion, President, Israel Chemical Society

09:30

**Prof. Makoto Fujita**, University of Tokyo, Japan

*Coordination Self-Assembly: From the Origins to the Latest Advance.*

10:00

**Prof. Omar M. Yaghi**, University of California, Berkeley, CA, USA

*Covalent Chemistry Beyond Molecules.*

10:30

**Prof. Sir James Fraser Stoddart**, Northwestern University Evanston, IL, USA

*Materials Beyond Cyclodextrins: Emergence Opens up a Whole New World of Wonders.*

11:00-11:30 **Coffee Break**

### Session 2

**Chair: Prof. Maya Bar Sadan**, Ben-Gurion University of the Negev, Israel

11:30

**Prof. Kimoon Kim**, Pohang University of Science and Technology, Pohang, Korea

*Nanostructured materials by covalent self-assembly.*

12:00

**Prof. Meir Lahav**, Weizmann Inst. of Science, Rehovot, Israel

*Understanding Electrofreezing at the Molecular Level with Pyroelectric Crystals.*

12:30

**Prof. Lars Öhrström**, Chalmers University of Tech., Gothenburg, Sweden

*Designing, Describing and Disseminating New Materials using the Network Topology Approach.*

13:00-14:00 **Lunch Break**

### Session 3

**Chair: Dr. Sharon Ruthstein**, Bar Ilan University, Israel

14:00

**Prof. Laura Gagliardi**, University of Minnesota, Minneapolis, MN, USA

*Computational Design of Functionalized Metal-Organic Framework Nodes for Catalysis.*

14:30

**Prof. Yoram Cohen**, Tel Aviv University, Israel

*Diffusion NMR in Supramolecular Systems and Beyond.*

15:00

**Prof. Qing-Fu Sun**, Fujian Institute of Research, Fuzhou, Fujian, China

*Lanthanide Organic Polyhedra.*

15:30-16:00 **Coffee Break**

### Session 4

**Chair: Dr. Galia Maayan**, Technion - Israel Institute of Technology

16:00

**Prof. Tomohisa Sawada**, University of Tokyo, Japan

*Concerted folding-and-assembly of short peptides via coordination.*

16:30

**Prof. Milko E. van der Boom**, Weizmann Inst. of Science, Rehovot, Israel

*Made in Israel: Metallo-Organic Materials and Devices.*

17:00

**Prof. Xiao-Yu Cao**, Xiamen University, Fujian Province, China

*Molecular Face-Rotating Polyhedra.*

17:30

**Prof. Takuzo Aida**, University of Tokyo, Japan

*Smart Soft Materials Fabricated under Nonequibrated Conditions.*

18:00

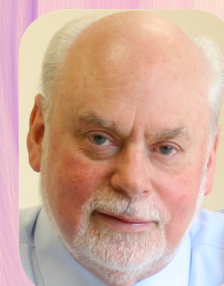
**Concluding remarks**



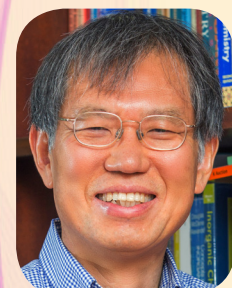
Makoto Fujita



Omar M. Yaghi



Sir James Fraser Stoddart



Kimoon Kim



Meir Lahav



Lars Öhrström



Laura Gagliardi



Yoram Cohen



Qing-Fu Sun



Tomohisa Sawada



Milko E. van der Boom



Xiao-Yu Cao



Takuzo Aida



Organizer: Prof. Ehud Keinan

Registration: Liraz Maanit [israelchemistry@gmail.com](mailto:israelchemistry@gmail.com)