

# Symposium: Biocomputation: materials, algorithms, devices and fabrication



## Spring Meeting 2020

May 25-29 | Congress & Exhibition Centre | Strasbourg | France  
deadline for abstract submission: 15 January 2020

### Scope

Materials, algorithms, devices and fabrication technologies for bio- and bio-inspired computation. This includes DNA computation, network-based biocomputation, cell-inspired computation (e.g. based on proteins), and neuromorphic computing architectures. In biological computing, bio-molecules – proteins, cells or DNA – are used to perform logic operations, store and retrieve data as well as data readout. In neuromorphic computing, the efficient architecture of the brain is emulated to achieve high-performing computation of specific types of problems.

Watch this video: <https://youtu.be/5cl1IP-7AXE>



### List of invited speakers (confirmed):

- Adam Micolich, UNSW
- Aydogan Ozcan, UCLA
- Cristiano Malossi, IBM, Zürich
- Dan Nicolau, McGill University, Montreal
- Eric Lutz, Stuttgart University
- Falco van Delft, Eindhoven
- Irene Fernandez Cuesta, Hamburg
- Luis Ceze, University of Washington, Seattle (tentatively confirmed)
- Mart Graef, TU Delft
- Till Korten, TU Dresden

### Scientific committee

- Heiner Linke (Lund University, Sweden) (Chair)
- Henry Hess (Columbia University, USA)
- Hillel Kugler (Bar-Ilan University, Israel)
- Friedrich Simmel (TU Munich, Germany)

### Publication

All contributions are invited to submit to a special issue in IEEE Transactions on NanoBioscience.

### The E-MRS

The E-MRS Spring Meeting is a major conference with over 2500 attendees coming from all over the world every year. It is expected that this 2020 edition will be the largest in Europe in the field of Materials Science and Technology.

The 2020 Spring Meeting will consist of 25 parallel symposia with invited speakers, oral and poster presentations, assorted by three plenary sessions, an exhibition of products, a series of workshops and training courses.

### Abstract Deadline

January 15, 2020.

### Venue, Date

Strasbourg, France (Congress & Exhibition Centre)

May 25 to 29, 2020

### More information

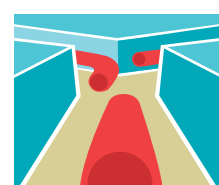
### Abstract submission

<https://bit.ly/2qsU1Lt>



### Symposium sponsor

The EC-funded project Bio4Comp aims to scale up network-based biocomputers into a viable alternative computing approach. <http://bio4comp.org/>



## Bio4Comp

Parallel network-based biocomputation:  
technological baseline, scale-up and innovation ecosystem