

# INTELLIGENT MACHINES AND MATHEMATICS

## January 28, 2019

Department of Mathematics  
University of Bologna

### Invited Speakers

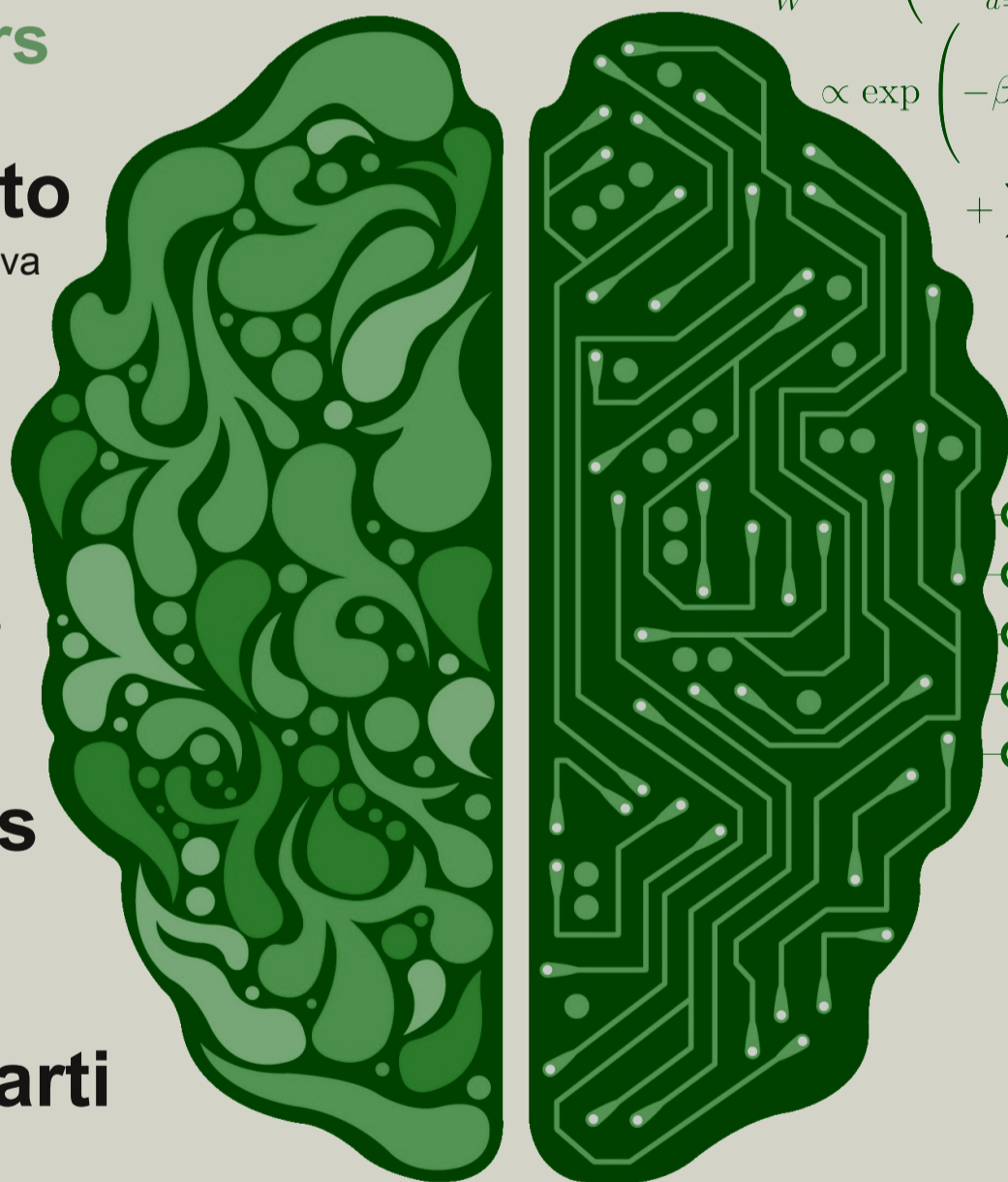
**Ernesto De Vito**  
Università degli studi di Genova

**Nicolas Gillis**  
Université de Mons

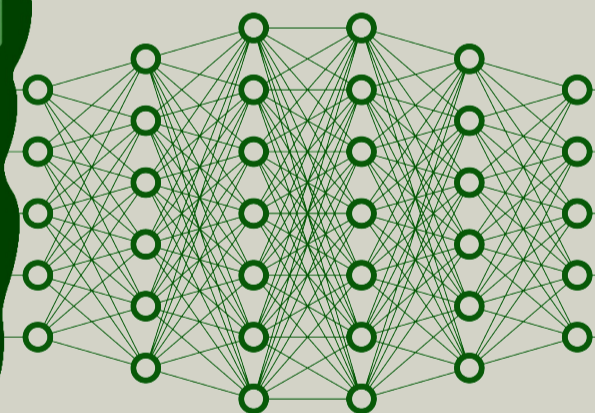
**Philipp Grohs**  
Universität Wien

**Nicolas Macris**  
École Polytechnique  
Fédérale de Lausanne

**Alessandro Sarti**  
CNRS - Paris



$$P(\{W^a\}) \propto \sum_W \exp \left( -\beta \sum_{a=1}^y E(W^a) + \gamma \sum_{a=1}^y \sum_{j=1}^N W_j^a W_j \right) \\ \propto \exp \left( -\beta \sum_{a=1}^y E(W^a) + \sum_j \log \left( 2 \cosh \left( \gamma \sum_{a=1}^y W_j^a \right) \right) \right)$$



### Round Table

*with the participation of the invited speakers*

### Organizers

Nicola Arcozzi

Giovanna Citti

Pierluigi Contucci

Head, INdAM Bologna Research Unit

Valeria Simoncini

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