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KONINKLIJKE NEDERLANDSE
AKADEMIE VAN WETENSCHAPPEN

INVITATION

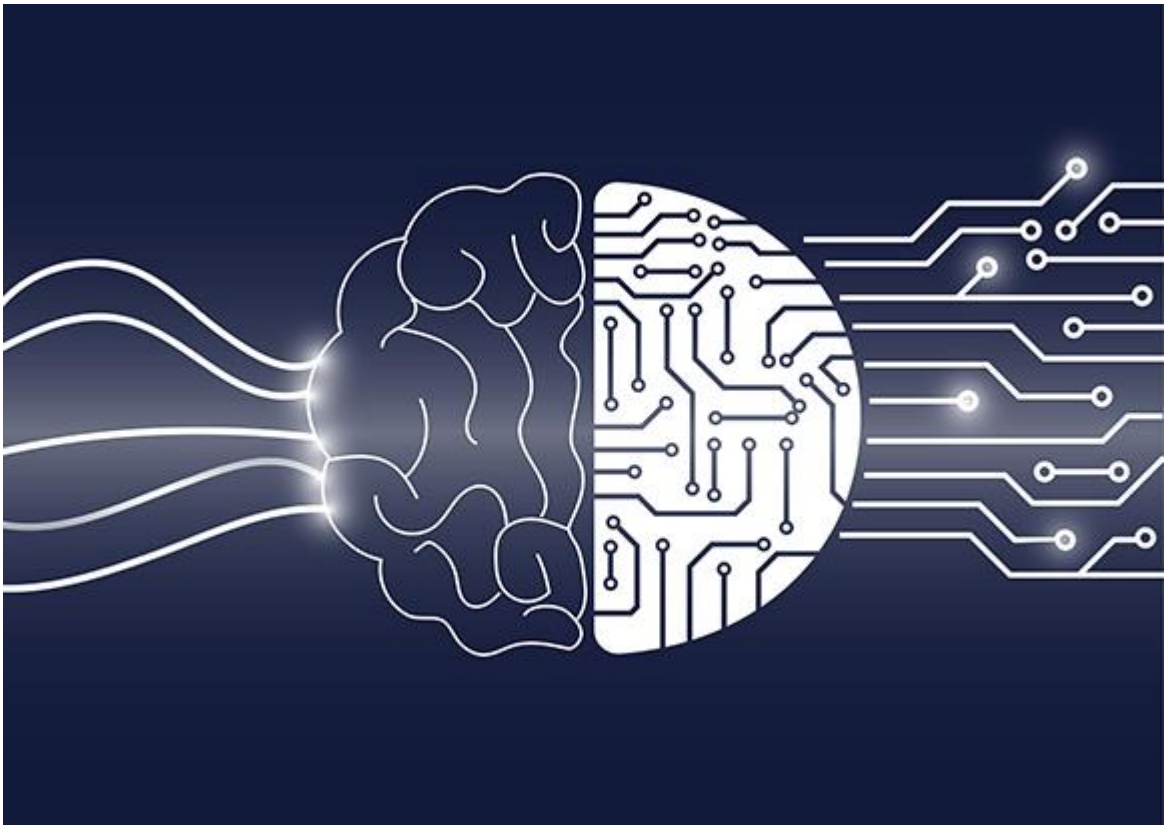
Academy symposium

Deep learning in the brain

Researchers have proposed that deep learning, which is providing important progress in a wide range of high-complexity tasks, might inspire new insights into learning in the brain. However, the methods used for deep learning in artificial neural networks are biologically unrealistic and need to be replaced by biologically realistic counterparts. Four scientists will provide new insights into how deep learning can be implemented in the brain.

Date & time: Monday 27 May 2019, from 3.30 p.m. to 5.30 p.m.
Venue: Amsterdam Public Library (OBA), Oosterdokskade 143, 1011 DL Amsterdam
More information: Academy website

REGISTER



Speakers

- Pieter Roelfsema, Director of the Netherlands Institute for Neuroscience and Professor of Cognitive Neuroscience at the University of Amsterdam – *Biologically plausible deep learning rules in the brain*
- David Cox, Director, MIT-IBM Watson AI Lab, IBM Research AI, Cambridge Research Center, Cambridge, United States – *Predictive Coding Models of Perception*
- Marcel van Gerven, Professor of Artificial Cognitive Systems, Principal Investigator - *Donders Institute for Brain, Cognition and Behaviour – Neural system identification*
- George Dileep, AI and neuroscience researcher and founder of Vicarious – *Understanding cortical microcircuits by building machines that generalize like the brain*

The symposium will be conducted in English.

More information and registration

For more information please visit the Academy website or contact Ella Uijtdewilligen, ella.uijtdewilligen@knaw.nl, +31 20 551 0710

You are most welcome to attend the symposium. Participation is free, but registration is required. You can register by submitting the online form on our website.