

SERRE Thomas (ORCID: 0000-0003-0846-0039)Nationality: French, website: <https://serre-lab.clps.brown.edu>

- **CURRENT POSITION**

- Professor, Brown University - Providence, RI (USA)
- Faculty Director, Center for Computation and Visualization, Brown University.
- Associate Director, Center for Computational Brain Science, Carney Institute for Brain Science



- **PAST POSITIONS**

2006-10: Postdoctoral Scholar, McGovern Institute, MIT - Cambridge, MA (USA)

- **INTERNATIONAL RECOGNITION (honors, prizes)**

- Awarded Thomas J. Watson, Sr. Professor of Science endowed Chair (2023)
- PAMI Mark Everingham Prize for pioneering human action recognition datasets (2022)
- PAMI Helmholtz Prize for significant impact on computer vision research (2021)
- Awarded International Chair in AI at the Artificial and Natural Intelligence Toulouse Institute (France) (2019-2023)
- DARPA Director's Award (2016)
- Domain expert for IARPA's Machine Intelligence from Cortical Networks (MICrONS) program (2015 –2021)
- DARPA Young Faculty Award (2014)
- Professeur Invité, Lorient University (Lorient, France) (2014)
- NSF Early Career Award (2013)

- **SUPERVISION:** 18 PhD students (5 ongoing), 14 postdocs (3 ongoing).

- **SCIENTIFIC PRODUCTION:** <https://scholar.google.com/citations?user=kZIPW4wAAAAJ&hl=en>

- **5 MOST RELEVANT PAPERS (last 10 years), h index: 45, citations: 17K**

1. T. Serre. Deep learning: The good, the bad and the ugly. Annual Review of Vision Science, Vol. 5:399-426, 2019
2. P. Wilf, S. Zhang, S. Chikkerur, S.A. Little, S.L. Wing & T. Serre. Computer vision cracks the leaf code. Proceedings of the National Academy of Sciences, 113(12), 3305–3310, 2016
3. D.A. Mely, D. Linsley & T. Serre. Complementary surrounds explain diverse contextual phenomena across visual modalities. Psychological Review, 125(5), 769-784, 2018
4. D. Linsley, J. Kim, V. Veerabadrán, C. Windolf & T. Serre. Learning long-range spatial dependencies with horizontal gated-recurrent units. Proc. Neural Information Processing Systems, 2018
5. D. Reichert & T. Serre. Neuronal synchrony in complex-valued deep networks. In: Proc. International Conference on Learning Representations, 2014

- **EDITORIAL ACTIVITIES**

- Deputy Editor PLOS computational biology (2021–present)
- Associate Editor at eLIFE (2019–)
- Section Editor (Visual System) for the Encyclopedia of Computational Neuroscience (2017 – present)

- **ACADEMIC RESPONSIBILITIES**

- Area Chair for International Conferences including the International Conference on Machine Learning (ICML) 2021, 2022, 2023, International Conference on Learning Representations (ICLR) 2021, 2022, 2023, IEEE Computer Vision and Pattern Recognition conference (CVPR) 2014, 2018, 2019, 2020, 2021, 2022, 2023, Neural Information Processing Systems (NeurIPS) 2011, 2020, 2021, 2022, 2023, AAAI Conference on Artificial Intelligence 2020.

- **COLLABORATIONS:** Pieter Roelfsema (Netherlands Institute for Neuroscience, Amsterdam, Netherlands), Timo van Kerkoerle (NeuroSpin, Saclay, France), Nuria Oliver (ELLIS Alicante), Kohitij Kar (York University, Toronto, Canada)

- **TEACHING ACTIVITIES (current or planned):** Teaching primarily two courses at Brown University: CLPS 1590 Deep Learning in Brains, Minds & Machines (Spring) and CLPS 1291 Computational Methods for Mind, Brain & Behavior.

- **EDUCATION**

- 2006 PhD, MIT - Cambridge, MA (USA)
- 2000 Diplôme d'ingénieur, Telecom Bretagne, Brest (France)
- 2000 MSc, Signal processing, Université de Rennes (France)
- 1996-00: Classes préparatoires aux grandes écoles, Lycee Pasteur, Neuilly (France).