

# Mihai Iulian FLOREA - Lista de lucrări și contribuții științifice

---

## Teză de doctorat

- 2018 Mihai I. Florea, *“Constructing Accelerated Algorithms for Large-scale Optimization - Framework, Algorithms, and Applications”*, Universitatea Aalto, Finlanda, 2018.

---

## Lucrări publicate în reviste de specialitate

- 2020 Mihai I. Florea, Sergiy A. Vorobyov, *“A Generalized Accelerated Composite Gradient Method: Uniting Nesterov’s Fast Gradient Method and FISTA”*, *IEEE Transactions on Signal Processing*, vol. 68, pp. 3033–3048, 2020.
- 2019 Mihai I. Florea, Sergiy A. Vorobyov, *“An Accelerated Composite Gradient Method for Large-Scale Composite Objective Problems”*, *IEEE Transactions on Signal Processing*, vol. 67, no. 2, pp. 444–459, 2019.
- 2018 Mihai I. Florea, Adrian Basarab, Denis Kouamé, Sergiy A. Vorobyov, *“An axially-variant kernel imaging model for ultrasound image reconstruction”*, *IEEE Signal Processing Letters*, vol. 25, no.7, pp. 961–965, 2018.
- 2009 Carlos A. Del Carpio, Mihai I. Florea, Ai Suzuki, Hideyuki Tsuboi, Nozomu Hatakeyama, Akira Endou, Hiromitsu Takaba, Eiichiro Ichiishi, Akira Miyamoto, *“A Graph Theoretical Approach for Assessing Bio-Macromolecular Complex Stability”*, *Journal of Molecular Modeling*, vol. 15, no. 11, pp. 1349–1370, 2009.

---

## Lucrări publicate în volumele conferințelor de specialitate

- 2018 Mihai I. Florea, Adrian Basarab, Denis Kouamé, Sergiy A. Vorobyov, *“Restoration of ultrasound images using spatially-variant kernel deconvolution”*, *Proc. IEEE Intern. Conf. Acoust., Speech and Signal Process. (ICASSP)*, Calgary, AB, Canada, 2018, pp. 796–800.
- 2017 Mihai I. Florea, Sergiy A. Vorobyov, *“A robust FISTA-like algorithm”*, *Proc. IEEE Intern. Conf. Acoust., Speech and Signal Process. (ICASSP)*, New Orleans, LA, USA, 2017, pp. 4521–4525.

---

## Monografii și lucrări nepublicate

- 2019 Mihai I. Florea. *“Exact Gradient Methods with Memory”*, *CORE Discussion Papers*, 2019(26), 2019.
- 2019 Yurii Nesterov, Mihai I. Florea. *“Gradient Methods with Memory”*, *CORE Discussion Papers*, 2019(22), 2019.
- 2013 Mihai I. Florea, *“Automatic detection of honeybees in a hive”*, *Teză de master*, Universitatea Uppsala, Suedia, 2013.