

Mert Bülent SARIYILDIZ

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PhD student at NAVER LABS Europe and Inria Grenoble Rhône-Alpes

Education

- **Inria Grenoble Rhône-Alpes & Université Grenoble Alpes** **Grenoble, France**
09/2020 - present
Ph.D. in Computer Science
 - Advisors: Karteek Alahari, Diane Larlus and Yannis Kalantidis
- **Bilkent University** **Ankara, Turkey**
09/2016 - 09/2019
M.Sc. in Computer Engineering
 - Advisors: Ramazan Gökberk Cinbiş, Selim Aksoy, GPA: 3.71
 - Includes a 6-months internship at NAVER LABS Europe
- **Anadolu (now Eskişehir Technical) University** **Eskişehir, Turkey**
09/2011 - 05/2016
B.Sc. in Electrical and Electronics Engineering
 - Ranked 1st in the Engineering Faculty, GPA: 3.72
 - Includes a 1-year English language program

Research and Work Experience

- **NAVER LABS Europe & Inria Grenoble Rhône-Alpes** **Grenoble, France**
09/2019 - present
Doctoral Researcher
Working on learning visual representations that can generalize to many tasks and datasets, and evaluating the properties of such representations, under the supervision of Karteek Alahari, Diane Larlus and Yannis Kalantidis.
- **NAVER LABS Europe** **Grenoble, France**
02/2019 - 08/2019
Intern
Worked on multi-modal vision and language models under the supervision of Diane Larlus and Julien Perez.
- **Bilkent University and METU ImageLab** **Ankara, Turkey**
09/2016 - 02/2019
Researcher
Worked on weakly supervised visual recognition problems and image generative models under the supervision of Gökberk Cinbiş. Partially funded by TUBITAK (Scientific and Technological Research Council of Turkey), project title: “Learning Visual Recognition Models with Incomplete Supervision” (No: 116E445).
- **Visea Innovative Inc.** **Eskişehir, Turkey**
09/2015 - 08/2016
Project Engineer
Worked on developing computer vision algorithms to address several industrial problems under the supervision of Cihan Topal.

Scientific Achievements

Journal and Conference Papers, and Preprints:

- Fake it till you make it: Learning(s) from a synthetic ImageNet clone, **arXiv 2022**
M. B. Sariyildiz, K. Alahari, D. Larlus and Y. Kalantidis.
- Improving the Generalization of Supervised Models, **arXiv 2022**
M. B. Sariyildiz, Y. Kalantidis, K. Alahari, D. Larlus.
- Concept Generalization in Visual Representation Learning, **ICCV 2021**
M. B. Sariyildiz, Y. Kalantidis, D. Larlus, K. Alahari.
- Hard Negative Mixing for Contrastive Learning, **NeurIPS 2020**
Y. Kalantidis, M. B. Sariyildiz, N. Pion, P. Weinzaepfel, D. Larlus.
- Learning Visual Representations with Caption Annotations, **ECCV 2020**
M. B. Sariyildiz, J. Perez, D. Larlus.
- Key Protected Classification for Collaborative Learning, **Pattern Recognition 2020**,
M. B. Sariyildiz, R. G. Cinbis, E. Ayday.
- Gradient Matching Generative Networks for Zero-Shot Learning, **CVPR 2019** (oral presentation),
M. B. Sariyildiz, R. G. Cinbis.

Citations: 507, **Patents:** 2 US patents, **Awards:** Outstanding reviewer at CVPR 2021, ECCV 2022

Book Translations

- Derin Öğrenme, Buzdağı Yayınevi 2018, (translation of Deep Learning by Goodfellow et al. 2016), H. Aydın, R. G. Cinbiş, Y. Çetin, B. Demirel, S. Kalkan, H. Moğultay, M. B. Sarıyıldız, G. Sümbül, F. Yarman Vural

Teaching Experience

- TA – Bilkent University, CS102 - Algorithms and Programming - 1
- TA – Bilkent University, CS102 - Algorithms and Programming - 2
- TA – Bilkent University, CS113 - Introduction to Computing
- TA – Bilkent University, CS464 - Image Analysis

Talks

- **MIAI Days**, 05/2021, “*Concept generalization in visual representation learning*”, PhD students presentations (virtual).
- **METU ImageLab**, 01/2021, “*Learning from captioned images, self-supervised learning and generalization*” (virtual).
- **Element AI**, 01/2021, “*Concept generalization in visual representation learning*” (virtual).
- **METU ImageLab**, 11/2018, “*Generative Models for Zero-shot Learning*”, Ankara, Turkey.
- **Bilkent University**, 11/2017, “*Exploiting Unsupervised Data for Zero-shot Learning*”, Ankara, Turkey.

Professional Activities

- Reviewer for IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019, 2021 (outstanding reviewer), 2022.
- Reviewer for IEEE International Conference on Computer Vision (ICCV), 2021.
- Reviewer for European Conference on Computer Vision (ECCV), 2020, 2022 (outstanding reviewer).
- Reviewer for Advances in Neural Information Processing Systems (NeurIPS), 2020.

Honors and Awards

- NAVER LABS Europe the intern day 2019 session-1 winner award. 07/2019
- Research & teaching assistantship, full tuition award by Bilkent University. 09/2016
- Ranked 1st at graduation from Anadolu University, Engineering Faculty. 05/2016
- 6 certificates of high honor by Anadolu University, Electrical and Electronics Engineering. 2012-2016

Research Grants

- *Virtual Eye*, assistive device for visually impaired people. Fundings granted by TUBITAK (Scientific and Technological Research Council of Turkey) 2209B Undergraduate Research Project Support and Savronik, 2016.

Skills

Technical

Python, C/C++, JAVA, MATLAB, PyTorch, TensorFlow, OpenCV, Qt, git

Language

Turkish (native), English (fluent), French (beginner)