Talayeh Aledavood

Curriculum Vitae

Education

2017 **EIT Digital Doctoral Program (dual degree), ICT Innovation**, *European Institute of Innovation and Technology Digial Labs* , Espoo, Finland.

2017 **D.Sc. Computational Science (with distinction)**, *Aalto University*, Espoo, Finland, Thesis: Temporal Patterns of Human Behavior.
Advisor: Prof. Jari Saramäki.

2009 **M.Sc. Engineering Physics**, *Technische Universität München*, Munich, Gemrnay, Thesis: Studies of Color Transparency Using Di-jet Events from a 190 GeV/c Pion Beam Scattered on Various Targets at COMPASS..
Avisor: Prof. Bernhard Ketzer.

2006 **B.Sc. Physics**, *Sharif University of Technology*, Tehran, Iran.

2001 **High School Diploma**, *National Organization for Development of Exceptional Talents*, Tehran, Iran.

Employment

2/21– **Lecturer in Computer Science**, *Aalto University*, Espoo, Finland.

1/21–2/21 **Postdoctoral Researcher**, *Helsinki University Hospital*, Helsinki, Finland.

1/20–12/20 **James S. McDonnell Postdoctoral Fellow**, *School of Interactive Computing, Georgia Institute of Technology*, Atlanta, GA, USA .

6/18–12/19 **James S. McDonnell Postdoctoral Fellow**, *Clinicum, University of Helsinki*, Helsinki, Finland.

1/18–5/18 **Postdoctoral Researcher**, *Department of Computer Science, Aalto University*, Espoo, Finland.

11/12–12/17 **Doctoral Researcher**, *Department of Computer Science, Aalto University*, Espoo, Finland.

12/10–11/12 **Research Engineer**, *Orange Labs, France Télécom*, Issy-les-Moulineaux, France.

3/10–7/10 **Research assistant**, *Centre d'analyse et de mathématique sociales*, École des Hautes Études en Sciences Sociales, Paris, France.

10/09–2/10 **Research assistant**, *Chair of Prof. Stephan Paul (E18), Physics department*, Technische Universität München, Garching, Germany.

9/07–3/08 **Research assistant**, *Max Planck Institute für Physik*, Munich, Germany.

11/06–9/07	**Research assistant**, *Silicon and GEM detectors group of the COMPASS experiment at CERN*, Technische Universität München and CERN, Garching, Germany and Geneva, Switzerland.
6/18–	**Visiting Researcher**, *Department of Computer Science, Aalto University*, Espoo, Finland.
11/16–4/17	**Research Intern**, *Predictive Health Analytics Team, Nokia Digital Health Lab*, Espoo, Finland, This internship was part of the EIT Digital Doctoral Program and focused on productization of research ideas..
09/16–10/16	**Visiting Researcher**, *Oxford Internet Institute, University of Oxford*, Oxford, UK, Host: Prof. Taha Yasseri.
1/16–3/16	**Visiting Researcher**, *Department of Biostatistics, Harvard T.H. Chan School of Public Health*, Boston, MA, United States, Host: Prof. Jukka-Pekka Onnela.
8/15–10/15	**Visiting Researcher**, *Institute of Mathematics and Computer Science, Technical University of Denmark*, Lyngby, Denmark, Host: Prof. Sune Lehmann.
Summer 2011	**Visiting Researcher**, *Austrian Institute of Technology*, Supervisor: Prof. Marta C. González (MIT), Vienna, Austria.

Grants, Fundings, and Awards

2021	Helsinki Institute for Information Technology funding to recruit a research assistant– EUR 18K
2020	Co-PI, Finnish Valtion Tutkimusrahoitus Funding (VTR) for the project Mobile Monitoring of Mood– EUR 70K
2019	Aalto School of Science Team-building and Co-operation Award in recognition of work related to diversity and mentoring.
2019	Helsinki Institute for Information Technology funding to recruit a M.Sc. thesis worker (together with Prof. Aris Gionis)– EUR 20K
2019	Funding by Aalto University Digi, Health, and Experience Platforms for organzing the first Symposium on Health and Behavior Data at Aalto University (together with Dr. Richard Darst)– EUR 7K
2018	James S. McDonnell Postdoctoral Fellowship in "Understanding Dynamic & Multi-scale Systems"– USD 200K
2017	The Helsinki Doctoral Education Network in Information and Communications Technology travel grant
2017	FinCEAL+ travel grant
2016	The Helsinki Doctoral Education Network in Information and Communications Technology travel grant
2013–2017	EIT Digital Doctoral School grant– Support for 6 months of research visits abroad, attendance in multiple courses and workshops across Europe, and 6 months of business development internship

Pedagogical Training

Ongoing	**Course Design**, *Aalto University*.
Completed 6/21	**Supervision of Master's Thesis**, *Aalto University*.

Completed 6/19	**Learning and Teaching in Higher Education**, *Aalto University*.
Completed 6/19	**Introduction to University Pedagogy**, *Aalto University*.

Teaching Experience

2021–2022	**Digital Health and Human Behvaior (course (re)design and instruction)**, *Aalto University, Department of Computer Science*.
2018–2019	**Digital Health and Human Behvaior (course design and instruction)**, *Aalto University, Department of Computer Science*.
2018–2019	**Digitalization Challenge (data science coach)**, *Aalto University, School of Business*.
2017–2018	**Life Science Technology Project Course (project design and supervision)**, *Aalto University, Department of Computer Science*.
2015–2016	**Life Science Technology Project Course (project design and supervision)**, *Aalto University, Department of Computer Science*.
2015-2016	**Complex Networks (teaching assistant)**, *Aalto University, Department of Computer Science*.
2014-2015	**Complex Networks course (teaching assistant)**, *Aalto University, Department of Computer Science*.

Advising, Mentoring and Supervision

6/21–	**Arsi Ikäheimonen**, *Doctoral Candidate*, Advisor, Aalto University.
6/21–	**Luna Ansari**, *Research assistant*, Aalto University.
3/21–	**Rico Pircklén**, *M.Sc. thesis*, Aalto University.
3/21–	**Riku Tikkanen**, *B.Sc. thesis*, Aalto University.
3/21–	**Mohsin Khan**, *M.Sc. thesis*, Aalto University.
completed 7/21	**Anna Hakala**, *M.Sc. thesis*, Aalto University.
completed 4/21	**Lauri Anttila**, *B.Sc. thesis*, Aalto University.
2/21-6/21	**Mark Seliaev**, *Doctoral track research rotation*, Aalto University.
8/20-5/21	**Savannah Lo**, *Research Assistant*, Georgia Institute of Technology.
2/20-5/21	**Jordan Taylor**, *Research Assistant*, Georgia Institute of Technology.
2/20-5/21	**Sanjana Garg**, *Research Assistant*, Georgia Institute of Technology.
4/16–6/18, 9/20–	**Annasofia Martikkala**, *Medical student at the University of Helsinki*, advising and mentoring in MoMoMood project, co-supervisor of PhD since Sept. 2020.
3/16–2/21	**Tuomas Alakörkkö**, *Aalto University*, mentoring and advising in various projects.
3/16-12/20	**Ana Triana Hoyos**, *Currently doctoral candidate at Aalto University Department of Computer Science*, mentoring and advising in various projects.
9/18–12/18	**Marharyta Dekret**, *former M.Sc. student at Aalto University Department of Computer Science*, M.Sc. Project in Machine Learning advisor.
completed 2/19	**Veera Hakonen**, *B.Sc. thesis*.

completed 12/18	**Joakim Engström**, *B.Sc. thesis.*
completed 12/18	**Simo Antikainen**, *B.Sc. thesis.*

Organization and Service

- **Social and Publicity Chair, The International AAAI Conference on Web and Social Media (ICWSM-2021)**, Virtual, June 2021.
- **Local and Social Chair, The International AAAI Conference on Web and Social Media (ICWSM-2020)**, Virtual, June 2020.
- **Associate Chair for the Late Breaking Works track at The ACM Conference on Human Factors in Computing Systems (CHI 2020).**
- **Associate Chair for the Late Breaking Works track at The ACM Conference on Human Factors in Computing Systems (CHI 2021).**
- **Co-founder and co-organizer of "Mentoring Puzzle Garage"**, an initiative at Aalto University CS to mentor junior researchers especially female scientists (Jan-Dec 2019).
- **Chair and Co-organizer of "Health and Behavior Data Symposium"** at Aalto University (www.aalto.fi/hbd19), April 2019. This symposium was a personal initiative (together with Dr. Richard Darst) and was fully planned, organized and hosted by the two co-organizers. This event attracted over 150 participants from around 50 institutions nationally and internationally.
- **Reviewer**:
  - Transactions on the Web
  - iScience
  - JMIR
  - JMIR mHealth and uHealth
  - Physica A
  - CHI 2020 (LBW)
  - CHI 2021 (LBW)
  - Designing Interactive Systems (DIS) Conference 2019
  - Scientific Reports
  - ICWSM 2021 (poster track)
- **Program Committee Member:**
  - Annual International Conference on Computational Social Science (IC2S2) 2021
  - ML for Mental Health ACII 2019 Workshop
  - Annual International Conference on Computational Social Science (IC2S2) 2018
  - The International AAAI Conference on Web and Social Media (ICWSM) 2018
  - Annual International Conference on Computational Social Science (IC2S2) 2016
  - The International AAAI Conference on Web and Social Media (ICWSM) 2016

Invited Talks and Presentations

6/21	Invited talk at SciLife Lab, Sweden
6/21	Invited talk at Alan Turing Institute's Data Science for Mental Health Interest Group, London, UK
3/21	Invited talk at the Eurasian Summit for Models of Society, Virtual event
10/20	Invited talk at IT University of Copenhagen, Denmark
04/20	Invited talk at Ubicomp Lab, Georgia Institute of Technology
10/19	Poster presentation at Conference on Complex Systems 2019, Singapore

9/19	Invited talk at Brain and Mind Breakfast Seminar Series, Aalto University, Espoo, Finland
8/19	Invited talk at SocWeb Lab, Gergia Institute of Technology, Atlanta, GA, USA
5/19	Invited talk at The Branded Self Event (science talk for the general public), Espoo, Finland
5/19	Poster presentation at Computing and Mental Health (Symposium at CHI2019), Glasgow, UK
3/19	Invited talk at Women in Data Science (WiDS) Conference 2019, Helsinki chapter, Helsinki, Finland
3/19	Invited talk at Turku University Department of Psychiatry, Turku, Finland
3/18	Presentation at JSMF and Santa Fe Institute Postdocs Conference, Santa Fe, NM, USA
3/18	Invited talk at Onnela Lab, Harvard T.H. Chan School of Public Health, Boston, MA, USA
3/18	Presentation at CompleNet Conference 2018, Boston, MA, USA
1/18	Presentation at EIT ICT LAB Helsinki Node, Espoo, Finland
9/17	Presentation at the Conference on Complex Systems 2017, Cancun, Mexico
12/16	Invited talk at Nokia Digital Health Lab, Espoo, Finland
11/16	Invited talk at the Knowledge Diffusion Network Webinar (Network of Iranian Academics Abroad)
10/16	Invited talk at Oxford Internet Institute Brown Bag Seminar, University of Oxford, Oxford, UK
9/16	Presentation at the Conference on Complex Systems 2016, Amsterdam, Netherlands
1/16	Invited talk at Onnela Lab, Harvard T.H. Chan School of Public Health, Boston, MA, USA
1/16	Presentation at NetSciX Conference, Wrocław, Poland
11/15	Invited talk at Friday Lunch Talks, EIT Digital Lab Helsinki Node, Espoo, Finland
6/15	Presentation at the International Conference on Computational Social Science, Helsinki, Finland
4/15	Presentation at NetMob 2015 Conference, Cambridge, MA, USA
4/15	Poster presentation at NetMob 2015 Conference, Cambridge, MA, USA
3/15	Invited talk at Lehmann group at the University of Copenhagen, Copenhagen, Denmark
2/15	Invited talk at EIT ICT Labs, Espoo, Finland
9/14	Presentation at the European Conference on Complex Systems 2014, Lucca, Italy

Selected Press Coverage

1/7/19	Healio Psychiatry, Monitoring sleep via smartphones shows potential for psychiatric disorders
11/12/17	Economic Times, Night owls have larger social networks than early birds
8/12/17	Helsingin Sanomat (in Finnish), Puhelimenkättö sen paljasti: Yökukkujilla on laajemmat sosiaaliset verkostot kuin aamuvirkuilla
7/12/17	Science Daily, Night owls have larger social networks than early birds
7/12/17	Ilta Sanomat (in Finnish), Älypuhelinten tiedot paljastivat: Yökukkujien sosiaaliset verkostot ovat laajempia kuin aamuvirkkujen
28/9/17	MIT Technology Review, First Evidence That Night Owls Have Bigger Social Networks than Early Risers
18/10/15	videnskab.dk (in Danish), Din digitale hverdag ligner ingen andres

12/10/15	Helsingin Sanomat (in Finnish) Tutkimus: Ihmisen digitaalinen päivärytmi on yhtä yksil "Ollinen kuin allekirjoitus
10/10/15	TIEDE (in Finnish), Ihmisen digitaalinen päivärytmi on yhtä yksilöllinen kuin allekirjoitus
7/10/15	PHYS.ORG, Everyone has their own daily rhythm of digital activity, shows study
12/3/15	MIT Technology Review (in Spanish), Las mujeres prefieren la noche para llamar a sus parejas
5/3/15	MIT Technology Review, Mobile Phone Data Reveals Humanity's Reproductive Strategies

References

○ **Prof. Jari Saramäki**, Department of Computuer Scinece, Aalto University, Finland. jari.saramaki@aalto.fi
○ **Prof. Munmun De Choudhury**, School of Interactive Computing, Georgia Institute of Technology, USA. munmun.choudhury@cc.gatech.edu
○ **Prof. Erkki Isometsä**, Department of Psychiatry, University of Helsinki, Finland. Erkki.Isometsa@hus.fi