Biographical Sketch
Marina Meila

Associate Professor, University of Washington, Department of Statistics
Adjunct Associate Professor, University of Washington, Department of Computer Science and Engineering
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Education

Polytechnic University of Bucharest, Romania	Electrical Engineering	MS, 1985
Massachusetts Institute of Technology	EE & CS	PhD, 1999
Carnegie Mellon University, Robotics Institute	Postdoctoral Fellow	1999 - 2000

Appointments

2008–2009	Visiting Scientist, M.I.T., Computer Science and AI Laboratory
2007–	Associate Professor, University of Washington, Department of Statistics
2007–	Adjunct Associate Professor, University of Washington, Department of Computer Science and Engineering
2000-2007	Assistant Professor, University of Washington, Department of Statistics
2000-2007	Adjunct Assistant Professor, University of Washington, Department of Computer Science and Engineering
1990-1992	Assistant Professor, Polytechnic Institute of Bucharest
1990	Principal Researcher, Institute for Computer Technique, Bucharest, Romania
1985-1990	Researcher, Institute for Computer Technique, Bucharest, Romania
1985	Researcher, Microelectronica Entreprises, Bucharest, Romania

Publications[1]

• Meilă, M., Arora, R. *"Consensus ranking with signed permutations"*, Proceedings of the AI and Statistics Conference (AISTATS), 2013

• Meilă, M., Bao, L. *"Estimation and clustering with infinite rankings"*, Journal of Machine Learning Research, **10**, pp 3481–3518, 2010

• Alnur Ali*, Meilă, M., *"Experiments with Kemeny Ranking: What Works When?"*, Mathematics and Social Sciences, Special Issue on Computational Social Choice, 28–40, 2012. **16th most downloaded Mathematical Social Sciences article 2012**

• Dominique Perrault-Joncas, Meilă, M., Marc Scott *"Building a Job Lanscape from Directional Transition Data"*, AAAI 2010 Fall Symposium on Manifold Learning and its Applications.

• Meilă, M., T. Jaakkola, *"Tractable Bayesian learning of tree belief networks"*, Statistics and Computing, **26**, pp 77–92, 2006.

• Meilă, M., *"Comparing clusterings – an information based distance"*, Journal of Multivariate Analysis, **98**, pp 873-895, 2007. **Most downloaded paper in 2009, in top 5 most cited 2009–2012**

• David Sontag, Tommi Jaakkola, Amir Globerson, Meilă, M., *"Learning Bayesian Network Structure using LP relaxations"*, Proceedings of the AI and Statistics Conference (AISTATS), 2010

• Bubeck, S., Meilă, M., von Luxburg, U., *"How the initialization affects the stability of the k-means algorithm"*, ESAIM: Probability and Statistics, 436–452, 2012.

• Perrault-Joncas, D.*, Meilă, M., *"Directed Graph Embedding: Continous Limit of Laplacian-based Operators"*, in Advances in Neural Information Processing Systems NIPS, 2011. (poster spotlight)

• C. Henning, Meilă, M., F. Murtagh, R. Rocci, (eds.) *"Handbook of Cluster Analysis"*, CRC/Taylor and Francis, (to appear 2014).

[1] All publications are available through my home page `www.stat.washington.edu/mmp`.

Synergistic activities

- **Editorial boards:** Machine Learning Journal, 2001, Journal of Machine Learning Research, since 2001, Journal of Artificial Intelligence Research (JAIR) since 2012
- **Action/Associate Editor:** Journal of Machine Learning Research, IEEE Transactions on PAMI (2008-2013), Foundations and Trends in Machine Learning, JASA-TAS book reviews
- **Conferences Co-Chaired** *AI and Statistics*, Puerto Rico, 2007 (with Xiaotong Shen), *Uncertainty in AI (UAI)*, 2015 (with Tom Heskes)
- **Program and course development** New Statistics PhD track in *Machine Learning and Big Data* introduced with Emily Fox (2013). Designed and introduced new course sequence (STAT 535, 538, 539) in Statistical Learning (2009/2010). New undergraduate course "Statistics and Probability for Computer Science" (taught 2000-present).
- Five interdepartmental graduate seminars and special topic courses at UW, co-taught with Jeff Bilmes (Electrical Engineering), Thomas Richardson (Statistics), Alejandro Murua (Statistics), Maryam Fazel (Electrical Engineering). The participants, students and faculty, were from Statistics, Computer Science, Electrical Engineering, Mathematics. CMU 1999: *"Computational Statistics of Multidimensional Scientific Databases"*, jointly between the Robotics Institute, Dept of Statistics and Dept.of Astronomy (developed by me, co-taught with a team including Andrew Connolly).
- Doctoral Forum organizer, SIAM Data Mining Conference, 2010 (sponsored by NSF – DMS) Mission: to promote synergy between young statisticians and the data mining community. `www.stat.washington.edu/mmp/Announcements/SDM11-forum.html`

Collaborators

Abraham, William (Ohio State University), Al'Absi, Mustafa (Univeristy of Minnesota, Duluth), Ali, Alnur (Microsoft), Andrasic, Frank (University of Memphis), Arora, Anish (Ohio State University), Bao, Le (Pennsylvania State University), Beck, J. Gayle (University of Memphis), Billey, Sara (University of Washington), Bilmes, Jeff (University of Washington), Blei, David (Princeton University), Bubeck, Sebastien ((Universite de Rennes)), Chen, Harr ((MIT)), Chui, Chi On (), Craigmile, Peter (Ohio State University), Demiris, George (University of Washington), Dutta, Prabir (Ohio State University), Elmore, Joan (University of Washington), Ertin, Emre (Ohio State University), Fazel, Maryam (University of Washington), Flaherty, Brian (University of Washington), Flanagan, Mary (Darthmouth College), Franza, Robert (University of Washington), Globerson, Amir (Hebrew University, Israel), Hennig, Christian (University College London, UK), Jaakkola, Tommi (MIT), Kientz, Julie (Georgia Institute of Technology), Kohno, Tadayoshi (University of Washington), Kotz, David (Darthmouth College), Kumar, Santosh (University of Memphis), Lee, John (University of Washington), Mandhani, Bhushan (FaceBook), Manning, Walter (University of Memphis), Marsh, Clay (Ohio State University), Marzban, Caren (University of Washington), McDonald, David (University of Washington), Srini Parthasarathi, (Ohio State University), Murhphy, Brendan (Trinity College Dublin, Ireland), Murtagh, Fionn (Royal Holloway College London, UK), Needleman, Bradley (Ohio State University), Ozcan, Aydogan (University of California, LA), Parthasarathi, Srinivasan (Ohio State University), Pentney, William ((University of Washington)), Pratt, Wanda (University of Washington), Ramnath, Rajiv (Ohio State University), Rocci, Roberto (Universita di Roma, Italy), Sahai, Amit (University of California, LA), Sarkar, Anamika ((Columbia University)), Scott, Marc (New York University), Shapiro, Linda (University of Washington), Shen, Xiaotong (University of Minnesota), Shortreed, Susan (Group Health Corporation), Sontag, David (Microsoft Cambridge), Srivastava, Mani (University of California, LA), Von Luxburg, Ulrike (Max Planck Institute), Yurtsever, Ulvi (MathSense Analytics)

Graduate and Post Doctoral Advisors

Michael Jordan	University of California, Berkeley	Thesis advisor
Andrew Moore	Carnegie Mellon University	Post doctoral advisor