

Hang Zhou

Assistant Professor at *École Polytechnique*

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Employment and Education

- 2017 – now **Assistant Professor in Computer Science.**
École Polytechnique, France.
- 2015 – 2017 **Postdoctoral Researcher in Computer Science.**
Max Planck Institute for Informatics, Germany.
- 2012 – 2015 **PhD in Computer Science.**
École Normale Supérieure de Paris. Supervisor: Claire Mathieu.
- 2010 – 2012 **Master in Computer Science.**
École Normale Supérieure de Paris. Supervisor: Marc Lelarge.
- 2009 – 2010 **Licence (French Bachelor's degree) in Computer Science.**
École Normale Supérieure de Paris.
- 2007 – 2009 **Studies in Computer Science, Peking University, China.**

Publications

In my field, the authors are usually listed in alphabetical order.

Conference Papers

- A $(5/3 + \epsilon)$ -Approximation for Unsplittable Flow on a Path: Placing Small Tasks into Boxes.
Fabrizio Grandoni, Tobias Mömke, Andreas Wiese, and Hang Zhou.
In Proceedings of the ACM Symposium on Theory of Computing (STOC), 2018.
- Optimization of Bootstrapping in Circuits.
Fabrice Benhamouda, Tancrède Lepoint, Claire Mathieu, and Hang Zhou.
In Proceedings of the ACM-SIAM Symposium on Discrete Algorithms (SODA), 2017.
- To Augment or Not to Augment: Solving Unsplittable Flow on a Path by Creating Slack.
Fabrizio Grandoni, Tobias Mömke, Andreas Wiese, and Hang Zhou.
In Proceedings of the ACM-SIAM Symposium on Discrete Algorithms (SODA), 2017.
- Near-Linear Query Complexity for Graph Inference.
Sampath Kannan, Claire Mathieu, and Hang Zhou.
In Proceedings of the International Colloquium on Automata, Languages and Programming (ICALP), 2015.
- Correlation Clustering and Two-edge-connected Augmentation for Planar Graphs.
Philip Klein, Claire Mathieu, and Hang Zhou.
In Proceedings of the Symposium on Theoretical Aspects of Computer Science (STACS), 2015.
- Sublinear-Time Algorithms for Monomer-Dimer Systems on Bounded Degree Graphs.
Marc Lelarge and Hang Zhou.
In Proceedings of the International Symposium on Algorithms and Computation (ISAAC), 2013.
- Graph Reconstruction via Distance Oracles.
Claire Mathieu and Hang Zhou.
In Proceedings of the International Colloquium on Automata, Languages and Programming (ICALP), 2013.

Journal Papers

- Graph Reconstruction and Verification.
Sampath Kannan, Claire Mathieu, and Hang Zhou.
In ACM Transactions on Algorithms (TALG), 2018.
- Sublinear-Time Algorithms for Monomer-Dimer Systems on Bounded Degree Graphs.
Marc Lelarge and Hang Zhou.
In Theoretical Computer Science (TCS), 2014.
- Backtracking-Assisted Multiplication.
Houda Ferradi, Rémi Géraud, Diana Maimut, David Naccache, and Hang Zhou.
In Journal of Cryptography and Communications, 2017.

Teaching

- Coach for the ACM-ICPC SWERC programming contest, *École Polytechnique*, 2017-2019.
- Design and Analysis of Algorithms, *École Polytechnique*, 2017-2019.
- Introduction to Algorithms, *École Polytechnique*, 2018.
- Approximation Algorithms, *Max Planck Institute*, 2017.
- Introduction to Computer Science (Java), *Paris Diderot University*, 2012-2013.
- Programming in C, *Paris Diderot University*, 2012-2013.

Talks

- A $(5/3 + \epsilon)$ -Approximation for Unsplittable Flow on a Path: Placing Small Tasks into Boxes
 - *STOC conference, USA*, 2018
 - *Collège de France*, 2018
 - *École Polytechnique, France*, 2018
- Optimization of Bootstrapping in Circuits
 - *SODA conference, Spain*, 2017
 - *Highlights of Algorithms conference, Germany*, 2017
- To Augment or Not to Augment: Solving Unsplittable Flow on a Path by Creating Slack
 - *SODA conference, Spain*, 2017
- Network Inference: Graph Reconstruction and Verification
 - *Joint lecture series of the two Max Planck Institutes for Informatics and Software Systems, Germany*, 2016
 - *École Polytechnique Fédérale de Lausanne, Switzerland*, 2016
- Correlation Clustering and Two-edge-connected Augmentation for Planar Graphs
 - *STACS conference, Germany*, 2015
 - *Dagstuhl seminar, Germany*, 2016
- Near-Linear Query Complexity for Graph Inference
 - *ICALP conference, Japan*, 2015
 - *University of Copenhagen, Denmark*, 2014
- Graph Reconstruction via Distance Oracles
 - *ICALP conference, Latvia*, 2013
 - *École Normale Supérieure, France*, 2014
- Sublinear-Time Algorithms for Monomer-Dimer Systems on Bounded Degree Graphs
 - *ISAAC conference, Hong Kong*, 2013
- Approximation for Maximum Surjective CSPs
 - *ETH Zurich, Switzerland*, 2012
 - *École Polytechnique, France*, 2011
- From Olympiad in Informatics to Research in Algorithms
 - *Workshop for Finalists of German Olympiad in Informatics, Germany*, 2017

Awards

- Lise Meitner Award for Excellent Women in Computer Science (20,000 euros research fund), *Max Planck Institute, Germany, 2016*
- International Selection Fellowship (36,000 euros), *École Normale Supérieure, France, 2009*
- Chinese Enlightenment Award, *Peking University, China, 2008*
- Chinese Olympiad in Informatics:
 - Silver Medal in National Finalists' Olympiad, 2006
 - Bronze Medal in National Finalists' Olympiad, 2005
 - First Prizes in National Olympiad in Shanghai and Jiangsu Province, 2003, 2004, 2005, 2006
- First Prize, Mathematics Olympiad in Jiangsu Province, China, 2003
- 2nd place, Classical Dance Competition in Wuxi, China, 2000

Languages

French	Fluent
English	Fluent
German	Advanced
Chinese	Native

Services

- Reviewer for STOC, SODA, SoCG, ESA, STACS, etc.
- Postdoc and Master Scholarship Selection Committee, Max Planck Institute, 2016–2017.

Software

C, C++, Pascal, Java, L^AT_EX, OCAML

Interests

Dancing, Rowing (French competitions' licence), Painting, Ping Pong, Chinese Chess