

Hang Zhou

Assistant Professor in Computer Science

✉ hzhou@lix.polytechnique.fr
📄 www.normalesup.org/~zhou

Employment and Education

- 2017 – now **Assistant Professor in Computer Science.**
École Polytechnique, France.
- 2015 – 2017 **Postdoctoral in the Algorithms and Complexity Department.**
Max Planck Institute for Informatics, Germany.
- 2012 – 2015 **PhD on “Graph Algorithms: Network Inference and Planar Graph Optimization”.**
École Normale Supérieure de Paris. Supervisor: Claire Mathieu.
- 2010 – 2012 **Master in Computer Science (MPRI).**
École Normale Supérieure de Paris.
- 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

Conference Papers

- 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

- Backtracking-Assisted Multiplication.
Houda Ferradi, Rémi Géraud, Diana Maimut, David Naccache, and Hang Zhou.
In Journal of Cryptography and Communications, 2017.

- Sublinear-Time Algorithms for Monomer-Dimer Systems on Bounded Degree Graphs.
Marc Lelarge and Hang Zhou.
In Theoretical Computer Science (TCS), 2014.

Awards

- Lise Meitner Award, *Max Planck Institute, Germany, 2016*
- International Selection Fellowship, *École Normale Supérieure, France, 2009–2012*
- New-Culture-Movement Fellowship, *Peking University, China, 2008*
- Silver Medal, *Chinese Olympiad in Informatics, 2006*

Talks

- 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*

Teaching

- Approximation Algorithms, *Lecturer, Saarland University and Max Planck Institute, 2017.*
- Introduction to Computer Science, *Teaching assistant, University Paris VII, 2012-2013.*
- Programming in C, *Teaching assistant, University Paris VII, 2012-2013.*

Languages

French	Fluent
English	Fluent
Chinese	Fluent
German	Advanced

Services

- Reviewer for SODA, SoCG, ESA, STACS, APPROX, IPCO, WG.
- Postdoc and Master Scholarship Selection Committee, Max Planck Institute.

Software

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