

# Hadi Mohaghegh Dolatabadi

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## RESEARCH INTERESTS

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Normalizing Flows, Generative Modeling, Machine Learning, Signal Processing

## EDUCATION

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- **The University of Melbourne** Melbourne, Australia  
*Ph.D. in Computing and Information Systems* June 2019 - Present
- **Sharif University of Technology** Tehran, Iran  
*M.Sc. in Electrical Engineering, Communication Systems* Sep. 2015 - Sep. 2017
- **The University of Tehran** Tehran, Iran  
*B.Sc. in Electrical Engineering, Telecommunications* Sep. 2011 - Sep. 2015

## HONORS AND AWARDS

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- Awarded a Graduate Research Scholarship to pursue Ph.D. at the University of Melbourne, Australia.
- Ranked 2<sup>nd</sup> among 32 Communication Systems students at Electrical Engineering Department, Sharif University of Technology, Tehran, Iran.
- Ranked 16<sup>th</sup> in the *Iranian Nationwide University Entrance Exam* for postgraduate studies in Communication Engineering.
- Recognized as the *Outstanding Talent* at University of Tehran and awarded admission to the M.Sc. program.

## SKILLS

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**Programming** Python (PyTorch, TensorFlow), MATLAB, R  
**Languages** English (fluent), Persian (native), Arabic (basic)

## PUBLICATIONS

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- H. M. Dolatabadi**, S. M. Erfani, and C. Leckie “Invertible Generative Modeling using Linear Rational Splines,” in *The 23rd International Conference on Artificial Intelligence and Statistics (AISTATS) 2020*, 3-5 June 2020, Palermo, Sicily, Italy.
- H. M. Dolatabadi** and A. Amini, “Deterministic Design of Toeplitz Matrices with Small Coherence Based on Weyl Sums,” *IEEE Signal Processing Letters*, vol. 26, no. 10, pp. 1501-1505, Oct. 2019. (Link)
- H. M. Dolatabadi** and A. Amini, “A Sampling Theorem for Convex Shapes with Algebraic Boundaries,” *2017 International Conference on Sampling Theory and Applications (SampTA)*, Tallin, 2017, pp. 499-503. (Link)

## TEACHING EXPERIENCE

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- **Compressed Sensing** Sharif University of Technology  
*Teaching Assistant* Spring 2017
- **Signals and Systems** Sharif University of Technology  
*Teaching Assistant* Spring 2017
- **Engineering Mathematics** Sharif University of Technology  
*Teaching Assistant* Fall 2017

## REFERENCES

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Available upon request.