

Faezeh Arab Hassani

Research Fellow

📍 Department of Electrical and Computer Engineering, National University of Singapore

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Curriculum Vitae

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Summary

- **Experience:** Forward-thinking and accomplished electronics research scientist with 7+ years of experience
- **Skills:** A strong background in the design, fabrication, and characterization of micro/nano-electronic devices leading to successful generation of products for environmental and healthcare technology
- **Career Highlights:**
 - Attracted 2 research funding, and 2 awards
 - More than 30 peer reviewed scientific publications
 - Managed a clean room facility at National University of Singapore
 - Advised 4 M.Sc. graduate students, and lectured 3 graduate courses
 - Gave 4 invited talks at the international conferences
 - Presented at 10 international and local conferences
 - Reviewer, and associate editor of international journals
 - Chaired a session at 1 international conference
 - Organized a local scientific workshop with 50 attendees
 - Woman in engineering coordinator of IEEE UK student Branch

Experience

2012-13	JSPS postdoctoral researcher Japan	Japan Advanced Institute of Science and Technology
2013-14	Research fellow Singapore	National University of Singapore
2014-16	Postdoctoral research associate United Kingdom	University of Sheffield
2016-19	Research fellow Singapore	National University of Singapore
2019-20	JSPS invitational researcher Japan	Japan Advanced Institute of Science and Technology
2020-current	Research fellow Singapore	National University of Singapore

Education

2005-08	Master of Electrical and Electronics Engineering Tehran, Iran	University of Tehran
2008-12	PhD of Electrical and Electronics Engineering Southampton, United Kingdom	University of Southampton

Fellowships and awards

2008	PhD studentship, University of Southampton Awarding body: European FP7 NEMSIC project and University of Southampton
2012	JSPS postdoctoral fellowship, Japan Advanced Institute of Science and Technology Awarding body: Japan Society for the Promotion of Science
2016	Santander research mobility award, University of Sheffield Awarding body: University of Sheffield
2019	JSPS invitational fellowship, The University of Tokyo Awarding body: Japan Society for the Promotion of Science

Skills

• Micro/nano-fabrication • Semiconductors • MEMS/NEMS • Energy harvesting • Flexible Electronics • Sensors and Actuators • ex vivo and in vivo • Finite Element Analysis (FEA) • Biomedical devices

Scientific affiliations

• Member of Japan Society of Applied Physics • Senior Member of IEEE

Hobbies

• Painting • Badminton • Nature walking

Publications

Please check: <https://scholar.google.com/citations?user=Veva8EAAAAAJ&hl=en>