

Curriculum Vitae

Personal Information

Name: Roya

Surname: Mohajeri

Date of Birth: July, 31th 1985

Gender: Female

Citizenship: Persian

Language: Persian, English

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Education

PhD in Electrical Engineering, Sharif University of Technology, Tehran, Iran 2012

M.Sc. in Electrical Engineering, Sharif University of Technology, Tehran, Iran 2008-2010

B.Sc. in Electrical Engineering, Zanzan University, Zanzan, Iran 2004-2008

Technical Knowledge & Experience

- Fabrication of superconducting thin films using RF sputtering and Metal Organic Deposition (MOD) technique,
- Knowledge of working in cleanroom environment
- Lithography
- Software familiarities: CST studio, COMSOL, Pspice, Hspice, Modelsim, Maxplus,
- Programing languages: LabVIEW, Matlab, C++.

Honors and Awards

- Honored for being among talented students awarded from Iran's national elite foundation, 2015.
- 1st Ranked student in BSc (GPA: 18.33 out of 20) Zanzan University, Iran, April 2008.

Research experiences

- Electro-Functional Material Lab, DTU, Riso campus, Roskilde, Denmark 2015
- Superconductor Electronics Research Laboratory, Sharif University of Technology, Tehran, Iran 2013-2016.

Teaching assistant experiences

- Superconductive Devices and Circuits (Sharif University of Technology, 2014-2015)
- Advanced Solid State Devices (Sharif University of Technology, 2014)
- Fundamentals of Superconductivity (Sharif University of Technology, 2014)
- Advanced Solid State Physics, (Sharif University of Technology, 2013)
- Solid State Devices, (Sharif University of Technology, 2013)
- Electronic Lab (Sharif University of technology, 2010)
- Electronic II (Zanzan University, 2007, 2008)

Journal Publications

- [1] R. Mohajeri, Y.A. Opata, A.C. Wulff, J.C. Grivel and M. Fardmanesh, "**All-MOD Deposited High-Tc Superconducting Transition Edge Bolometer on Yttria Stabilized Zirconia Substrate,**" Journal of superconductivity and novel magnetism, Sep. 2016
- [2] R. Mohajeri, R. Nazifi, A.C. Wulff, J.C. Grivel and M. Fardmanesh, "**Investigation of CeO₂ Buffer Layer Effects on the voltage responsivity of YBCO Transition Edge Bolometer,**" Volume 26, No 3 (2016), IEEE Trans. On Applied Superconductivity.
- [3] M. H. Aram, R. Mohajeri and S. Khorasani, "**Construction of Dirac Points Using Triangular Supercrystals,**" **Applied Physics A**, Volume 115, Issue 2 (2014), Page 581-587
- [4] A.C. Wulff, J. H. Lundeman, J. B. Hansen, O. V. Mishin, Y. Zhao, R. Mohajeri, and J.C. Grivel, "**A Two-Level Undercut-Profile Substrate for Chemical-Solution-Based Filamentary Coated Conductors,**" Volume 26, No 3 (2016), IEEE Trans. On Applied Superconductivity.

List of References

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