

# Rahul Raman

Vancouver, Canada

<https://people.ece.ubc.ca/rahulrr/>

## Education

### M.A.Sc. Electrical and Computer Engineering

- **Current Grade: 88.7%**
- University of British Columbia
- Supervisor: Dr. Juri Jatskevich
- 2022 – 2025 (Expected)

### BTech Electrical and Electronics Engineering

- **CGPA: 9.66**
- SRM Institute of Science and Technology
- 2018 – 2022

## Works

### Teaching Assistantships

#### ELEC 344 101 2022W1 Applied Electronics and Electromechanics

- University of British Columbia
- Course Instructor: Dr. Juri Jatskevich

#### ELEC 344 201 2022W2 Applied Electronics and Electromechanics

- University of British Columbia
- Course Instructor: Dr. Seyyedmilad Ebrahimi

#### ELEC 344 101 2023W1 Applied Electronics and Electromechanics

- University of British Columbia
- Course Instructor: Dr. Juri Jatskevich

#### ELEC 344 201 2023W2 Applied Electronics and Electromechanics

- University of British Columbia
- Course Instructor: Dr. Seyyedmilad Ebrahimi

#### ELEC 454 201 2023W2 Power System Analysis II

- University of British Columbia
- Course Instructor: Dr. José Marti

## **Internships**

### **Power System Simulation Virtual Laboratory**

- Employer: Department of EEE SRM IST and PALS vlab
- Role: Lead Developer and Subject Expert
- Jan 2021 – June 2021

### **MITACS Global Research Intern**

- Employer: University of Alberta, Canada
- Supervisor: Dr. Gregory Kish
- Worked on: Hexvectors
- June 2021 – August 2021

### **Power System Operation and Control Virtual Laboratory**

- Employer: Department of EEE SRM IST and PALS vlab
- Role: Project Head
- Jan 2022 – June 2022

## **Publications**

### **Conferences**

- [1] R. R. Ramesh, T. Vahabzadeh and J. Jatskevich, "Constant-Parameter VBR Synchronous Machine Model for Studies of Unbalanced Faults in PSCAD," *2024 23rd International Symposium INFOTEH-JAHORINA (INFOTEH)*, East Sarajevo, Bosnia and Herzegovina, 2024, pp. 1-6, doi: 10.1109/INFOTEH60418.2024.10496031.
- [2] R. RZ. Feng, R. R. Ramesh, S. Ebrahimi and J. Jatskevich, "Flux-Weakening Strategy to Extend the Operation of Brushless DC Motors," *2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE)*, Vellore, India, 2024, pp. 1-6, doi: 10.1109/ic-ETITE58242.2024.10493797.
- [3] R. R. Ramesh, E. Mostajeran, S. Ebrahimi and J. Jatskevich, "Multirate VBR Model of Synchronous Machines for EMTP-Type Simulation Programs," *2023 International Conference on Modeling, Simulation & Intelligent Computing (MoSICom)*, Dubai, United Arab Emirates, 2023, pp. 185-190, doi: 10.1109/MoSICom59118.2023.10458759.
- [4] R. R. R, A. S and S. U, "Novel Dual Powered Induction Cooktop," *2022 Second International Conference on Next Generation Intelligent Systems (ICNGIS)*, Kottayam, India, 2022, pp. 1-6, doi: 10.1109/ICNGIS54955.2022.10079774.

## **Awards**

MITACS Graduate Fellowship (MITACS - 2022)

International Tuition Award (University of British Columbia – 2022:2024)

Faculty of Applied Science Graduate Award