

PERSONAL INFORMATION

Nimananda Sharma

 Barytongatan 8, Läg 1212, Västra Frölunda, 42138 Gothenburg (Sweden)

 +46720304330

 sharman@chalmers.se

 Skype nimananda.sharma1

Sex Male | Date of birth 10/03/1988 | Nationality India

WORK EXPERIENCE

Aug 2014–Jul 2015

Deputy Manager

Mahindra & Mahindra Ltd, Chennai (India)

- Wiring routing and grounding review for all passenger vehicles including hybrid and electric vehicles.
- Participating in system and vehicle level DFMEAs to improve design. Knowledge sharing through seminars and presentations on EMC & Electrical testing
- Establishing Internal EMC test facility for design verification testing of ESAs. Conducting vehicle level development and certification EMC tests.

Aug 2011–Jul 2014

Assistant Manager

Mahindra and Mahindra Ltd, Chennai (India)

- Conducting EMC & Electrical tests for ESAs, reviewing reports and preparing gap analysis documents prior to Vehicle level testing.
- Validation, field and manufacturing line issue analysis and root cause identifications with designers. Preparing and updating Internal EMC & Electrical test Standards for ESAs (12V and 24V system) & Vehicles (Gasoline, Diesel, Hybrid and Electric Vehicles). Conducting Vehicle level transient measurements and other analysis to improve design.
- Preparing Electromagnetic Compatibility (EMC) & Electrical test plans for Electronic sub-assemblies (ESAs) and Vehicles.

Jun 2016–Aug 2016

Summer Intern

Volvo Trucks, Gothenburg

- Preparing knowledge check sheet for component development activity and questionnaire for knowledge capture inside the organization.
- Conduct interviews to capture knowledge from various experts and identify knowledge gaps inside advance technology and research team.
- Reviewing design verification guidelines and preparing template for future documentation formats.

8 Aug 2017–Present

PhD

Chalmers University of Technology, Gothenburg (Sweden)

- Working on integrated drive systems for electric vehicles.
- Supervisor for computer assignments, laboratory work and design assignments.

EDUCATION AND TRAINING

2015–Present

Masters of Science in Electric Power Engineering

Chalmers University of Technology, Gothenburg (Sweden)

2007–2011 **Bachelor of Technology**
 National Institute of Technology, Silchar (India)
 Electrical Engineering CPI 7.58

PERSONAL SKILLS

Mother tongue(s) Nepali

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Hindi	C2	C2	C2	C2	C2
Assamese	B2	B2	B2	B2	B2
English	B2	B2	B2	B2	B2
TOEFL - 107 (Internet based test)					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Good communication skills gained through

- Interaction with suppliers, regulatory authorities and cross-functional teams along with knowledge sharing session on electromagnetic compatibility testing during in previous employment.
- Various presentation of academic work during masters study including design project, study of electromagnetic exposure of human beings from wireless charging etc.

Organisational / managerial skills Leadership skills gained by

- Leading EMC & Electrical testing related activities inside Mahindra and Mahindra Ltd along with support in establishing internal EMC test facility
- Creating synergy in the EMC & Electrical activities and Product Development Process.

Good organisational skills gained by managing the test activities through cross functional teams & suppliers.

Good planning skills gained by

- Attending workshops on "time management" and the yearly goal setting sessions during employment
- Co-ordinating the departmental induction sessions for fresh engineering graduates during employment

Listening skills gained during DFMEAs and discussions with suppliers, attending knowledge sharing sessions during employment and various seminars during masters study.

Social responsibility skills by

- Promoting tree plantation and reducing paper usage in office premises by keeping track of the printing paper used during employment
- Active participation in Nanhi kali, a foundation to help girl child in India during employment

Job-related skills

- Good command of EMC & Electrical testing activities
- Sound understanding of Vehicle electrical systems
- Currently working on a master thesis on "scalable integrated electric drive system for electric vehicles"

Digital competence

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid

Matlab/Simulink, Maxwell 2D, LTSpice, PSS/E, PSPice, COMSOL and PSCAD

ADDITIONAL INFORMATION

References

Yujing Liu
Professor
Department of Energy and Environment
Chalmers University of Technology, Gothenburg, Sweden
yujing.liu@chalmers.se

Dr. Saurabh Chaudhury
Associate Professor
Department of Electrical Engineering
National Institute of Technology Silchar, India
saurabh1971@gmail.com