

Md Sazzad Hosen
postdoctoral researcher
Electrical Engineering and Power Electronics
MOBI - Electromobility research centre
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Expertise

Battery cell development
Battery characterization and modeling
Digital twin development

Qualifications

Engineering Sciences, Doctor, Vrije Universiteit Brussel
2017 → 2021
Award Date: 14 Oct 2021

Power Engineering, Masters, Brandenburg University of Technology
2013 → 2016
Award Date: 19 Dec 2016

Mechanical Engineering, Bachelors, Khulna University of Engineering and Technology
2008 → 2012
Award Date: 1 Jul 2012

Employment

postdoctoral researcher

Electrical Engineering and Power Electronics
Vrije Universiteit Brussel
Brussels, Belgium
31 Oct 2021 → 31 Jul 2025

MOBI - Electromobility research centre

Vrije Universiteit Brussel
Brussels, Belgium
1 Aug 2017 → present

Trainee

CLARIOS
Germany
1 Jan 2016 → 1 Jan 2017

Internship & Master Thesis

CLARIOS
Germany
1 Jan 2016 → 1 Jan 2016

Internship

Continental
Germany
1 Jan 2015 → 1 Jan 2015

Press/Media

ORCA Movie

Md Sazzad Hosen

21/09/21

1 Media contribution

Awards

Projects

EUAR86: AM4BAT : Gen. 4b Solid State Li-ion battery by additive manufacturing

Hosen, M. S., Lavigne Philippot, M., Yadav, P. & Berecibar, M.

1/07/22 → 30/06/26

EU548: GHOST: InteGrated and PHysically Optimised Battery System for Plug-in Vehicles Technologies

Van Mierlo, J., Omar, N., Hegazy, O., Van Mierlo, J., Coosemans, T., Messagie, M., Jaguemont, J., Hosen, M. S., Varga, E. F., Kalogiannis, T., Berecibar, M. & Arapoglou, S.

European Commission

1/10/17 → 31/12/21

BRGRD64: Joint R&D 2022: CLEVER: Combining smart electric vehicle charging with second life electric vehicle stationary storage for sustainable grid support

Messagie, M., De Cauwer, C., Berecibar, M. & Hosen, M. S.

1/12/21 → 30/11/24

EUAR137: NEMO : NExt-generation MOdels for advanced battery electronics

Berecibar, M., Hosen, M. S. & Sánchez, A.

1/05/23 → 30/04/26

EU584: PANDA: Powerfull Advanced N-Level Digitalization Architecture for models of electrified vehicles and their components

Van Mierlo, J., Omar, N., Messagie, M., Firouz, Y., Jaguemont, J., Berecibar, M., Hosen, M. S. & Kalogiannis, T.

European Commission

1/12/18 → 31/05/22

WDGO2010: Services Agreement: Commercialising MAMCA Services: Secondary Use of EV-batteries for Energy Storage - SEVES

Berecibar, M. & Hosen, M. S.

1/01/22 → ...

EUAR142: THOR : Innovative methodology for battery testing

Berecibar, M., Hosen, M. S., Messagie, M., Kalogiannis, T. & Dammala, L. N. V. P. K.

1/06/23 → 31/05/27