1. Personal details and the date of the CV

- Last name: MousaviHashemi
- First name: SeyedAbolfazl
- https://orcid.org/0000-0001-9014-1189
- Date: 27.10.2021

2. Degrees

- 31.10.2018, Ph.D., Electrochemistry, Tabriz University, Iran; Address: 29 Bahman Blvd., Tabriz, Iran 5166616471, Phone Number: 00984133393635, - Legalized translation of the Ph.D. certificate is attached to the CV.

3. Other education and expertise

- 2020, Li-ion batteries half, full cell and EL-cell preparation and evaluation, Aalto University.
- 2017, SEM (FIB), XRD, TGA, UV-Vis, FT-IR, PLD (2 weeks learning at IREC, Barcelona, Spain).
- 2017, HSE (1-day learning at IREC, Barcelona, Spain).
- 2010, ICDL grade 1: “Windows-office-hardware-Internet” (1 month course at Iran Technical & Vocational Training Organization).
- 2015, EIS and Tafel analysis of Corrosion (1 day workshop at 11th Annual Electrochemistry Seminar of Iran, 17-18 Nov).

4. Language skills

- Native language: Persian
- English (Fluent)
- Spanish (Poor)
- Turkish (native)

5. Current employment

- Start date: 09.07.2020, Postdoctoral researcher, Professor Tanja Kallio from Aalto University.

6. Previous work experience

- Start date: 12.2016, end date: 11.2017. One-year research visit at the "The Catalonia Institute for Energy Research" about VRFBs high power electrode materials, Barcelona-Spain (2016-2017).

7. Career breaks

8. Research funding and grants

- I am part of a project called Story EV which is focusing on solid state Li batteries and optimization of battery electrodes.

9. Research output

- Four ISI papers, one international presentation and 5 national presentations:
- Understanding the Stabilizing Effects of Nanoscale Metal Oxide and Li–Metal Oxide Coatings on Lithium-Ion Battery Positive Electrode Materials. Z Ahaliabadeh, V Miikkulainen, M Mäntymäki, S Mousavihashemi. ACS Applied Materials & Interfaces 13 (36), 42773-42790
- High-power positive electrode based on synergistic effect of N-and WO_3-decorated carbon felt for vanadium redox flow batteries. Hosseini, M. G., Mousavihashemi, S., Murcia-López, S., Flox, C., Andreu, T., & Morante, J. R. Carbon 136 (2018): 444-453.
- RuO_2 modification of graphene oxide-multiwalled carbon nanotubes as excellent positive electrode for vanadium redox flow battery. Hosseini, M. G., Mousavihashemi, S. Ionics (2018). DOI: 10.1007/s11581-018-2746-5
- Towards production of a highly catalytic and stable graphene-wrapped graphite felt electrode for vanadium redox flow batteries. Mousavihashemi, S, Murcia-López, S., Hosseini, M. G., Morante, J. R., Flox, C. Batteries (DOI:10.3390/batteries4040063)
- Vanadium Redox Flow Battery operation parameters optimization Mousavihashemi, S. González, M., Flox, C., Hosseini, M. G., Morante, J. R., European Materials Research Society (EMRS), 22-26 May 2017, Strasbourg, France.
- High power Vanadium redox flow battery based on Bismuth-tungsten oxide modified carbon felt negative electrode Mousavihashemi, S., Hosseini, M. G., Murcia-López, S.,

Flox, C., & Morante, J. R. 21th Annual Physical chemistry Seminar of Iran, 6-8 Sep. 2018, Tabriz, Iran.

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10. Research supervision and leadership experience

Advisory of two doctoral students at Aalto University.

11. Teaching merits

- Materials preparation for energy conversion course at Aalto University.
- 3-years' experience of teaching corrosion laboratory at the Tabriz University for bachelor students (2013-2016).
- 1-year teaching chemistry at high school (2016-2017).

12. Awards and honours

- I was awarded national grant from ministry of science and technology of Iran in 2016 for research visit in Spain-Barcelona.
- Succeeding in national Ph.D. course entrance exam as number one in ranking (2012).

13. Other key academic merits, such as:

- 2011-2018, member of "Electrochemical society of Iran (ECSI).

14. Scientific and societal impact

15. Other merits

Short introduction

Seyedabolfazl Mousavi is doing his postdoctoral research on Lithium batteries at Aalto University. His D.Sc. major is Electrochemistry (2018) and he has investigated redox flow batteries as his doctoral thesis. His specialty is electrochemistry and energy conversion. He has been collaborated in many fields such as batteries, fuel cells, supercapacitors, nano synthesis and corrosion. Optimization of commercial Li batteries and investigation of Li batteries characteristics are his main objectives at Aalto university. In this project he will be responsible for Aalto University objectives.