

Ville-Valtteri Visuri

Process Metallurgy Research Unit
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Experience

Associate Professor , University of Oulu, Process Metallurgy Research Unit Tenure track professorship in »Sustainable Primary Metallurgy of Steelmaking» and leader of the research group »Primary Metallurgy». Serving also as an Academy Research Fellow of the Research Council of Finland (since 2023), as the Deputy Head of the Process Metallurgy Research Unit (since 2022), and as the Chairman of the Executive Board of the Centre for Advanced Steels Research (since 2024).	2022 – PRESENT
R&D Manager – Modelling , Outokumpu Stainless Oy, Tornio Led an R&D department based in Tornio (Finland) and Krefeld (Germany).	2020 – 2022
Senior Research Fellow , University of Oulu, Process Metallurgy Part-time position (10%) alongside a full-time position (100%) at Outokumpu.	2020 – 2022
Postdoctoral Researcher , University of Oulu, Process Metallurgy Deputy Head of the Process Metallurgy Research Unit (2018 – 2020). Visiting Researcher at the RWTH Aachen University (01/2019 – 12/2019).	2017 – 2020
Doctoral Researcher , University of Oulu, Process Metallurgy Visiting Researcher at the RWTH Aachen University (01/2014 – 06/2014).	2011 – 2017
Research Assistant , University of Oulu, Process Metallurgy	2011
Various trainee positions, i.a. , Rautaruukki Oyj, Nokia Siemens Networks Oy	2005 – 2010






Degrees and qualifications

Title of Docent , Process Metallurgy, University of Oulu Docentship for »Modelling of Reaction Kinetics in Pyrometallurgy». Teaching demonstration graded 5/5 (<i>excellent</i>).	2020
D.Sc. (Tech.) , Process Engineering, University of Oulu Doctoral thesis on mathematical modelling of the AOD process; graded <i>passed with distinction</i> . Coursework at the University of Oulu and Åbo Akademi University.	2017
M.Sc. (Tech.) , Industrial Engineering and Management, University of Oulu Master's degree graded <i>passed with distinction</i> . Master's thesis on the thermodynamics of slag formation in the AOD process; graded 5/5 (<i>excellent</i>). Exchange studies at the Technical University of Munich (10/2009 – 03/2010).	2011
B.Sc. (Tech.) , Industrial Engineering and Management, University of Oulu	2009
Matriculation examination , Kempele Upper Secondary School	2005

Selected certificates, coursework, and training

Basics of University Pedagogy (25 ECTS), University of Oulu	2023 – PRESENT
Inshore Skipper Diploma, Finnish Navigation Union, Helsinki	2023
EUR ING, European Federation of National Engineering Associations, Brussels	2021
Science Leadership Program – Class of '21 (10 ECTS), University of Oulu	—"
Additional coursework (73 ECTS), U. Oulu, U. Helsinki, Aalto U., TU Munich	2006 – 2020
Großes Deutsches Sprachdiplom (C2 level), Goethe-Institut, Düsseldorf	2019

Language skills

	Proficiency level (CEFR)							Proficiency level (CEFR)					
	A1	A2	B1	B2	C1	C2		A1	A2	B1	B2	C1	C2
 Finnish	●	●	●	●	●	●	 Swedish	●	●	●	○	○	○
 English	●	●	●	●	●	●	 Russian	●	●	○	○	○	○
 German	●	●	●	●	●	●							

Awards, honours, and grants

Top 3 finalist of the category *Innovation awards* in the Outokumpu Awards 2022. One article ranked among the top cited articles in *Steel Research International* in 2021–2022 and two articles in 2020–2021. One paper selected to »Best of steel research international – 2020 Edition«. Received the »Best Annual Report Award« from the National Graduate School in Chemical Engineering in 2013. Received a scholarship from the National Graduate School in Chemical Engineering, a PostDocs in Companies Grant by the Finnish Cultural Foundation, Postdoctoral Researcher (declined) and Academy Research Fellow positions by the Research Council of Finland, and numerous personal grants ($\Sigma = \text{€}114,980$).

Teaching, supervision, and service in academia

Lectures at the University of Oulu and Aalto University on metallurgy of steelmaking. Supervisor in 9 doctoral (7 ongoing), 1 licentiate (1 ongoing), 28 master's (2 ongoing) and 13 bachelor's theses (4 ongoing). Chairman or member of 5 doctoral steering groups (4 ongoing). Examiner or opponent for 9 doctoral theses, peer-reviewer for 23 scientific journals, and session chairman and/or reviewer in several scientific conferences. Co-chair of the »5th European Academic Symposium on EAF Steel-making« in 2023. Co-editor in two special issues in the journal »Metals« (1 ongoing).

Publications

Authored over 100 publications on the metallurgy of steelmaking, including over 70 peer-reviewed journal and conference articles (see [list of publications](#)).

Key metrics at [Google Scholar](#): 703 citations, *h*-index = 16, *i10*-index = 26.

Selected positions of trust

Member of the Board of Directors, Finnish Association for Mining and Metallurgical Engineers	2024 – PRESENT
Chairman of the Executive Board, Centre for Advanced Steels Research (CASR), University of Oulu	2024 – PRESENT
Deputy Member of the Management Board, Section for the University of Oulu, Finnish Union of University Professors	2023 – PRESENT
Vice-Chairman of the Board, University of Oulu Association	2022 – PRESENT
Member of the Board, Hannu Luukinen Oy	2015 – PRESENT
Chairman of the Management Board, Division of Metallurgical Engineers, Finnish Association for Mining and Metallurgical Engineers	2021 – 2024
Member of the National Expert Committee on Metallurgy, Finnish Association for Mining and Metallurgical Engineers	2020 – 2022
Member of the Management Board, Division of Metallurgical Engineers, Finnish Association for Mining and Metallurgical Engineers	2020 – 2021
Member of the Board, Oulu Technical Society	2018 – 2019