

Ville-Valtteri Visuri

Date: 4 June 2025

Summary

PUBLICATIONS AND PRESENTATIONS

Publications

A – Peer-reviewed scientific articles	81
A1 – Peer-reviewed original articles in scientific journals (55)	
A2 – Peer-reviewed review articles in scientific journals (2)	
A3 – Peer-reviewed book section or chapter (1)	
A4 – Peer-reviewed articles in conference proceedings (23)	
B – Non-peer-reviewed scientific articles	30
B1 – Writing in scientific journal (1)	
B2 – Non-peer-reviewed book sections (4)	
B3 – Non-peer-reviewed articles in conference proceedings (25)	
C – Peer-reviewed scientific books	6
C1 – Books (4)	
C2 – Edited book, conference proceedings or special issue of a journal (2)	
D – Publications intended for professional communities	43
D1 – Articles in trade journals (20)	
D4 – Published development or research reports (23)	
E – Publications intended for the general public	9
E1 – Popularised article, newspaper article (9)	
G – Theses	3
H – Patents and invention disclosures	2
H2 – Invention disclosures (2)	
Other technical and scientific publications	12
Extended abstracts in conference and seminar proceedings (10)	
Abstracts in conference and seminar proceedings (2)	
Total	—
Presentations	
Poster presentations	8
Presentations and invited talks	74
Total	—
Miscellaneous publications	
GRAND TOTAL	—

Publications (186)

A – Peer-reviewed scientific articles (81)

A1 – PEER-REVIEWED ORIGINAL ARTICLES IN SCIENTIFIC JOURNALS (55)

- ^{279.} F. Gyakwaa, S. Airaksinen, V.-V. Visuri, A. Heikkilä, and T. Fabritius, "Influence of hydrogen fuel mixtures on the oxide scale formation of low carbon steels in reheating furnace conditions," *Steel Research International*, vol. XXX, no. YYY, p. ZZZ, forthcoming FORTHCOMING
- ^{278.} H.-R. Putala, H. Pauna, A. Javed, U. Manzoor, D. Klapproth, I. R. Souza Filho, V.-V. Visuri, A. Ganguly, M. Huttula, T. Fabritius, and D. Raabe, "Effect of Furnace Parameters on Optical Emission Spectra of Hematite Reduction by Hydrogen Plasma," *Metallurgical and Materials Transactions B*, vol. XXX, no. YYY, p. ZZZ, forthcoming —"—
- DOI: [10.1007/s11663-025-03552-5](https://doi.org/10.1007/s11663-025-03552-5)
- ^{277.} R. Kallio, M. Cantaluppi, J. Louhisalmi, and V.-V. Visuri, "Mineralogical characteristics of fossil-free steel slags," *Minerals Engineering*, vol. 230, 2025. 109396 2025
- DOI: [10.1016/j.mineng.2025.109396](https://doi.org/10.1016/j.mineng.2025.109396)
- ^{276.} A. Rautioaho, H. Pauna, M. Jokinen, O. Seppälä, E. Busson, L. Sankowski, V.-V. Visuri, and T. Fabritius, "Applicability of Optical Emission Spectroscopy for Industrial Flame Analysis with Hydrogen and Natural Gas Mixtures Based on Laboratory Study," *Applications in Energy and Combustion Science*, vol. 22, 2025. 100329 —"—
- DOI: [10.1016/j.jaecs.2025.100329](https://doi.org/10.1016/j.jaecs.2025.100329)
- ^{275.} A. Piippo, K. Ruutanen, V.-V. Visuri, N. Poutiainen, and E.-P. Heikkinen, "Experimental Study on the Effect of Calcium Aluminate Cement Addition on the Drying and Physical Properties of Refractory Castables Containing Colloidal Silica," *Materials*, vol. 17, no. 21, 2024. 5308 2024
- DOI: [10.3390/ma17215308](https://doi.org/10.3390/ma17215308)
- ^{274.} Q. Shu, V.-V. Visuri, T. Alatarvas, and T. Fabritius, "Modeling the Precipitation of Aluminum Nitride Inclusions during Solidification of High-Aluminum Steels," *Steel Research International*, vol. 95, no. 11, 2024. 2300393 —"—
- DOI: [10.1002/srin.202300393](https://doi.org/10.1002/srin.202300393)
- ^{273.} J. Norrena, S. Louhenkilpi, V.-V. Visuri, T. Alatarvas, A. Bogdanoff, and T. Fabritius, "Coupling of Solidification and Heat Transfer Simulations with Interpretable Machine Learning Algorithms to Predict Transverse Cracks in Continuous Casting of Steel," *Steel Research International*, vol. 95, no. 4, 2024. 2300529 —"—
- DOI: [10.1002/srin.202300529](https://doi.org/10.1002/srin.202300529)
- ^{272.} T. Vuolio, V.-V. Visuri, H. Tähtilä, P. Pekuri, and T. Fabritius, "The Synergistic Effect of Na₂O on Hot Metal Desulfurization Kinetics in CaO–Na₂O–SiO₂–Al₂O₃–MgO Slag System," *Chemical Engineering Science*, vol. 284, 2024. 119525 —"—
- DOI: [10.1016/j.ces.2023.119525](https://doi.org/10.1016/j.ces.2023.119525)

271. J. Nissilä, M. Pylvänäinen, [V.-V. Visuri](#), P. Ruotsalainen, J. Laurila, A. Rankinen, T. Palovaara, and T. Liedes, "Vibration and Audio Measurements in the Monitoring of Basic Oxygen Furnace Steelmaking," *Metallurgical and Materials Transactions B*, vol. 54, no. 6, pp. 2929–2950, 2023
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270. T. Vuolio, [V.-V. Visuri](#), A. Sorsa, T. Paananen, S. Tuomikoski, and T. Fabritius, "Machine Learning Assisted Identification of a Grey-Box Hot Metal Desulfurization Model," *Materials and Manufacturing Processes*, vol. 38, no. 15, pp. 1983–1996, 2023
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269. M. Pylvänäinen, J. Nissilä, [V.-V. Visuri](#), J. Laurila, A. H. Niemi, S. Tuomikoski, T. Paananen, and T. Liedes, "Effect of Gas Forming Compounds on the Vibration of a Submerged Lance in Hot Metal Desulfurization," *Steel Research International*, vol. 94, no. 9, 2023. 2300072
DOI: [10.1002/srin.202300072](https://doi.org/10.1002/srin.202300072)
[TOP VIEWED ARTICLE 2023 | STEEL RESEARCH INTERNATIONAL](#)
268. I. Mäkelä, [V.-V. Visuri](#), and T. Fabritius, "A Mathematical Model for the Thermal State of a Steel Ladle," *Ironmaking and Steelmaking*, vol. 50, no. 7, pp. 867–877, 2023
DOI: [10.1080/03019233.2023.2201544](https://doi.org/10.1080/03019233.2023.2201544)
267. B. Mitas, [V.-V. Visuri](#), and J. Schenk, "Modeling the Residence Time of Metal Droplets in Slag during BOF Steelmaking," *Metallurgical and Materials Transactions B*, vol. 54, no. 4, pp. 1938–1953, 2023
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266. J. Norrena, S. Louhenkilpi, [V.-V. Visuri](#), T. Alatarvas, A. Bogdanoff, and T. Fabritius, "Assessing the Effects of Steel Composition on Surface Cracks in Continuous Casting with Solidification Simulations and Phenomenological Quality Criteria for Quality Prediction Applications," *Steel Research International*, vol. 94, no. 5, 2023. 2200746
DOI: [10.1002/srin.202200746](https://doi.org/10.1002/srin.202200746)
265. B. Mitas, [V.-V. Visuri](#), and J. Schenk, "Mathematical Modeling of the Ejected Droplet Size Distribution in the Vicinity of a Gas–Liquid Impingement Zone," *Metallurgical and Materials Transactions B*, vol. 53, no. 5, pp. 3083–3094, 2022
DOI: [10.1007/s11663-022-02588-1](https://doi.org/10.1007/s11663-022-02588-1)
264. J. Miettinen, M. Somani, [V.-V. Visuri](#), S. Koskenniska, S. Louhenkilpi, T. Fabritius, and J. Kömi, "Simulation of the Solidification and Microstructural Evolution in Steel Casting Processes Using the InterDendritic Solidification Tool," *Steel Research International*, vol. 93, no. 9, 2022. 2200120
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[TOP DOWNLOADED ARTICLE 2022 | STEEL RESEARCH INTERNATIONAL](#)
263. Q. Shu, [V.-V. Visuri](#), T. Alatarvas, and T. Fabritius, "A Kinetic Model for Precipitation of TiN Inclusions From Both Homogeneous and Heterogeneous Nucleation During Solidification of Steel," *Metallurgical and Materials Transactions B*, vol. 53, no. 4, pp. 2321–2333, 2022
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259. S. Louhenkilpi, J. Miettinen, V.-V. Visuri, M. C. Somani, S. Koskenniska, and T. Fabritius, "New Phenomenological Quality Criteria for Continuous Casting of Steel Based on Solidification and Microstructure Tool IDS," *Ironmaking and Steelmaking*, vol. 48, no. 2, pp. 170–179, 2021
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258. J. Miettinen, V.-V. Visuri, and T. Fabritius, "Thermodynamic description of ternary Fe–B–X systems. Part 9: Fe–B–Cu," *Archives of Metallurgy and Materials*, vol. 66, no. 1, pp. 297–304, 2021
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256. J. Miettinen, S. Koskenniska, V.-V. Visuri, M. Somani, T. Fabritius, and J. Kömi, "Thermodynamic, Kinetic, and Microstructure Data for Modeling Solidification of Fe–Al–Mn–Si–C Alloys," *Metallurgical and Materials Transactions B*, vol. 51, no. 6, pp. 2946–2962, 2020
DOI: [10.1007/s11663-020-01973-y](https://doi.org/10.1007/s11663-020-01973-y) 2020
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DOI: [10.1007/s11663-020-01955-0](https://doi.org/10.1007/s11663-020-01955-0) —"—
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253. T. Vuolio, V.-V. Visuri, A. Sorsa, S. Ollila, and T. Fabritius, "Application of a genetic algorithm based model selection algorithm for identification of carbide-based hot metal desulfurization," *Applied Soft Computing Journal*, vol. 92, 2020. 106330
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251. J. Miettinen, V.-V. Visuri, T. Fabritius, and G. Vassilev, "Thermodynamic description of ternary Fe–B–X systems. Part 7: Fe–B–C," *Archives of Metallurgy and Materials*, vol. 65, no. 2, pp. 923–933, 2020
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250. T. Hay, T. Echterhof, and V.-V. Visuri, "Development of an Electric Arc Furnace Simulator Based on a Comprehensive Dynamic Process Model," *Processes*, vol. 7, no. 11, 2019. 852
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241. T. Vuolio, V.-V. Visuri, T. Paananen, and T. Fabritius, "Identification of Rate, Extent and Mechanisms of Hot Metal Resulfurization with CaO–SiO₂–Na₂O Slag Systems," *Metallurgical and Materials Transactions B*, vol. 50, no. 4, pp. 1791–1807, 2019
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237. A. Kärnä, M. Järvinen, P. Sulasalmi, V.-V. Visuri, and T. Fabritius, "An Improved Model for the Heat-up Stage of the CAS-OB Process: Development and Validation," *Steel Research International*, vol. 89, no. 10, 2018. 1800141
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234. V.-V. Visuri, M. Järvinen, A. Kärnä, P. Sulasalmi, E.-P. Heikkilä, P. Kupari, and T. Fabritius, "A Mathematical Model for Reactions During Top-Blowing in the AOD Process: Validation and Results," *Metallurgical and Materials Transactions B*, vol. 48, no. 3, pp. 1868–1884, 2017
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233. V.-V. Visuri, M. Järvinen, A. Kärnä, P. Sulasalmi, E.-P. Heikkinen, P. Kupari, and T. Fabritius, "A Mathematical Model for Reactions During Top-Blowing in the AOD Process: Derivation of the Model," *Metallurgical and Materials Transactions B*, vol. 48, no. 3, pp. 1850–1867, 2017
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A2 – PEER-REVIEWED REVIEW ARTICLES IN SCIENTIFIC JOURNALS (2)

224. T. Hay, V.-V. Visuri, M. Aula, and T. Echterhof, “A Review of Mathematical Process Models for the Electric Arc Furnace Process,” *Steel Research International*, vol. 92, no. 3, 2021. 2000395
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223. V.-V. Visuri, T. Vuolio, T. Haas, and T. Fabritius, “A Review of Modeling Hot Metal Desulfurization,” *Steel Research International*, vol. 91, no. 4, 2020. 1900454
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A3 – PEER-REVIEWED BOOK SECTION OR CHAPTER (1)

222. V.-V. Visuri and L. Holappa, “Converter Steelmaking,” *Treatise on Process Metallurgy – Volume 3: Industrial Processes* (S. Seetharaman, R. Guthrie, A. McLean, S. Seetharaman, and H. Y. Sohn, eds.), pp. 183–241, Elsevier, 2 ed., 2024
DOI: 10.1016/B978-0-323-85373-6.00008-9

A4 – PEER-REVIEWED ARTICLES IN CONFERENCE PROCEEDINGS (23)

221. T. Vuolio, M. Zarl, I. Lappeteläinen, A. Javed, and V.-V. Visuri, “Optimization Based Experimental Design of Metal–Slag Experiments in Hydrogen Plasma Smelting Reduction Process,” *IOP Conference Series: Materials Science and Engineering*, forthcoming
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218. A. Agnihotri, P. Sulasalmi, and V.-V. Visuri, “Modeling the thermal properties of H-DRI during melting in an electric arc furnace,” *IOP Conference Series: Materials Science and Engineering*, forthcoming
217. I. Mäkelä, V.-V. Visuri, M. Aula, and T. Echterhof, “Coupled dynamic modelling of scrap melting and gas phase reactions in the EAF process,” *IOP Conference Series: Materials Science and Engineering*, vol. 1039, 2024. 012005
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214. J. Nissilä, M. Pylvänäinen, J. Laurila, S. Ollila, V.-V. Visuri, and T. Liedes, "Detecting Gas Injection Problems in Vacuum Tank Degassing Using Measurements of Multiple Variables," *Proceedings of the 5th International Conference on Maintenance, Condition Monitoring and Diagnostics 2021* (E. Juuso and D. Galar, eds.), Lecture Notes in Mechanical Engineering, Springer Nature Singapore Pte Ltd, Singapore, 2023
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202. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, A. Kärnä, and T. Fabritius, "Numerical Study of Multiphase Flows in a Ladle for Different Closure Models," *Proceedings of the 11th Pacific Symposium on Flow Visualization and Image Processing*, Kumamoto University, Kumamoto, Japan, 2017
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B – Non-peer-reviewed scientific articles (30)

B1 – WRITING IN SCIENTIFIC JOURNAL (1)

198. T. Echterhof, K. Ohno, and V.-V. Visuri, "Modeling and Simulation of Metallurgical Processes in Steelmaking," *Metals*, vol. 12, no. 7, 2022. 1185
DOI: [10.3390/met12071185](https://doi.org/10.3390/met12071185)
EDITORIAL FOR THE SPECIAL ISSUE "MODELING AND SIMULATION OF METALLURGICAL PROCESSES IN IRONMAKING AND STEELMAKING"

B2 – NON-PEER-REVIEWED BOOK SECTIONS (4)

197. V.-V. Visuri, "Mathematical Modelling of Rate Phenomena in the AOD Process / Towards a comprehensive mathematical model of the AOD process," *Graduate School in Chemical Engineering Yearbook 2015* (M. Ljung, ed.), Åbo Akademi University, Åbo, Finland, pp. 305–314, 2015
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196. V.-V. Visuri, "Phenomena-based modelling of the AOD process / A model for reactions during top-blowing in the AOD process," *Graduate School in Chemical Engineering Yearbook 2014* (M. Ljung, ed.), Åbo Akademi University, Åbo, Finland, pp. 305–314, 2014
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194. V.-V. Visuri, "Phenomena-based modelling of AOD process / Mathematical model for recovery of slag. Part I. Derivation of the model," *Graduate School in Chemical Engineering Yearbook 2012* (M. Ljung, ed.), Åbo Akademi University, Åbo, Finland, 2012
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193. J. Norrena, S. Louhenkilpi, V.-V. Visuri, T. Alatarvas, H. Tähtilä, and T. Fabritius, "Phenomenological framework for online quality prediction in continuous casting," *Proceedings of the 11th European Continuous Casting Conference*, Steel Institute VDEh, Essen, Germany, 2024
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190. V.-V. Visuri and T. Echterhof, "Preface to the Proceedings of the 5th European Academic Symposium on EAF Steelmaking," *IOP Conference Series: Materials Science and Engineering*, vol. 1039, 2024. 011001
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188. Q. Shu, V.-V. Visuri, T. Alatarvas, and T. Fabritius, "Modelling the evolution of non-metallic inclusions during refining and casting by combining nucleation and thermodynamic-kinetic models," *Proceedings of the 6th European Steel Technology and Application Days*, Steel Institute VDEh, Düsseldorf, Germany, 2023
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178. T. Palovaara, V.-V. Visuri, and T. Fabritius, "Physical modelling of gas injection in a ladle," *Proceedings of the 7th International Congress on Science and Technology of Steelmaking*, Associazione Italiana di Metallurgia, Venice, Italy, 2018
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169. M. Järvinen, S. Pisilä, A. Kärnä, V.-V. Visuri, T. Fabritius, T. Ikäheimonen, and P. Kupari, "Fundamental Mathematical Modelling of AOD Process," *Proceedings of the 4th International Conference on Modelling and Simulation of Metallurgical Processes in Steelmaking*, Stahlinstitut VDEh, Düsseldorf, Germany, 2011
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C – Peer-reviewed scientific books (6)

C1 – Book (4)

168. J. Miettinen and V.-V. Visuri, *Nitrogen-containing thermodynamic descriptions of the Fe-Al-Cr-Cu-Mn-Mo-Ni-Si-C-N system for modeling the solidification of steels*. No. 989 in Acta Universitatis Ouluensis C Technica, Oulu, Finland: University of Oulu, 2024. 230 pp. ISBN 978-952-62-4363-4.
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C2 – EDITED BOOK, CONFERENCE PROCEEDINGS OR SPECIAL ISSUE OF A JOURNAL (2)

164. V.-V. Visuri and T. Echterhof, eds., *5th European Academic Symposium on EAF Steelmaking*. IOP Conference Series: Materials Science and Engineering, Bristol, United Kingdom: IOP Publishing, 2024
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D – Publications intended for professional communities (43)

D1 – ARTICLES IN TRADE JOURNALS (20)

162. P. Karjalainen, J. Kömi, V.-V. Visuri, T. Fabritius, J. Larkiola, and D. Porter, "In memoriam. Veikko Heikkilä 1944 – 2024. Terästeknologian kehityksen organisoija ja kuvaaja," *Materia*, vol. 83, no. 2, pp. 75–76, 2025 2025
161. V.-V. Visuri, "POHTO-koulutuksien klassikko elää ajassa: kuonat prosessimetallurgiassa 2025," *Materia*, vol. 83, no. 2, p. 72, 2025 ——
160. V.-V. Visuri, "Tervehdys lukijoille!" *Materia*, vol. 82, no. 5, p. 58, 2024 2024
Link: <https://urn.fi/URN:NBN:fi:oulu-202501271358>
159. V.-V. Visuri and S. Airaksinen, "Vetysiiritymä ja ruostumattoman teräksen hilsettyminen hehkutus- ja aihionkuumennusprosesseissa," *Materia*, vol. 82, no. 5, pp. 54–55, 2024 2024
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158. V.-V. Visuri, "Uutisia Oulun yliopistolta," *Materia*, vol. 82, no. 5, p. 48, 2024 2024
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157. V.-V. Visuri, I. Vaajamo, M. Marjakoski, S. Rannantie, and V. Ilkäheimo, "Metallurgijaoston syysseminaari 2023," *Materia*, vol. 81, no. 5, pp. 65–67, 2023 2023
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153. V.-V. Visuri, "Digitalisaatio ruostumattoman teräksen valmistuksessa," *Materia*, vol. 80, no. 2, pp. 34–35, 2022 2022
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83. V.-V. Visuri, "Terästutkimuksella kohti fossiilivapaata yhteiskuntaa," *Guest lecture*, Ruovesi Upper Secondary School, virtual, 6 March 2025 ——
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54. V.-V. Visuri, "Hydrogen reduction in steelmaking," *Clean production technologies for hydrogen – press event*, University of Oulu, Oulu, Finland, 15 December 2022 2022 —"—
53. T. Alatarvas, T. Fabritius, and V.-V. Visuri, "Towards Carbon-Neutral Steelmaking Through Hydrogen Reduction and Application of Clean Steels," *Kvantum Science Days – Global Challenges and Multidisciplinary Solutions*, University of Oulu, Oulu, Finland, 2 November 2022 —"—
52. H. Pauna, V.-V. Visuri, P. Sulasalmi, and T. Fabritius, "On-going research activities at the University of Oulu for fossil-free steelmaking," *International Workshop on Sustainable Metallurgy of Green Steel – GreenSteel2022*, Max-Planck-Institut für Eisenforschung GmbH, Online, 13 September 2022 —"—
51. V.-V. Visuri, "Puhe kunniantohtoreille," *Oulun yliopiston 11. tohtoripromootio*, University of Oulu, Oulu, Finland, 28 May 2022 —"—

50. V.-V. Visuri, "Kromiitin suorapelkistys FFC Cambridge –menetelmällä," *Eroon metallien valmistuksen CO₂-päästöistä!*, POHTO, Vantaa, Finland, 27 April 2022 —"—
49. V.-V. Visuri, "Converter processes in steelmaking," *Teaching demonstration for the position of an Associate Professor*, University of Oulu, Online, 19 April 2022 —"—
GRADE: 5/5 (EXCELLENT)
48. V.-V. Visuri, "Pilot case 2: Outokumpu – stainless steel," *MORSE Online Result Seminar*, VTT Technical Research Centre of Finland, webinar, 22 February 2022 —"—
47. V.-V. Visuri, "Kuonanhallinta teräksenvalmistuksen edellytyksenä," *Epäpuhtauksien hallinta pyrometallurgisissa prosesseissa*, POHTO, Raahe, Finland, 2 November 2021 2021
PARTICIPANT FEEDBACK: 4.5/5
46. V.-V. Visuri, "New approaches for modeling and control of hot metal desulfurization," *SYMMET Result Webinar*, webinar, 26 November 2020 2020
45. V.-V. Visuri, "Kromiitin CO₂-vapaa pelkistys," *Tekniikan torstai: hiilineutraalisuus, feat. teräs & biotalous*, University of Oulu, Oulu, Finland, 1 October 2020 —"—
44. V.-V. Visuri, "Introduction to modelling activities," *lecture*, Outokumpu Stainless AB, Avesta, Sweden, September 11, 2020 —"—
43. V.-V. Visuri, "Romun sulamisen mallinnus valokaariuunissa," *AMET webinaari*, University of Oulu, Oulu, Finland, 3 August 2020 —"—
42. V.-V. Visuri, "Modelling of stainless steelmaking. Part 1: Meltshop," *Lecture*, Outokumpu Stainless Oy, Tornio, Finland, 12 August 2020 —"—
41. V.-V. Visuri, "Teräksenvalmistuksen primääri- ja sekundäärimetallurgian mallinnus," *Public teaching demonstration for a docentship*, University of Oulu, Oulu, Finland, 4 February 2020 —"—
GRADE: 5/5 (EXCELLENT)
40. V.-V. Visuri, "Studies on hot metal desulphurisation," *SYMMET Research Seminar*, University of Oulu, Oulu, Finland, 13 February 2020 —"—
39. T. Vuolio and V.-V. Visuri, "Digitalisaatio metalliassa," *47742oS Metallien valmistus nyt ja tulevaisuudessa*, University of Oulu, Oulu, Finland, 18 November 2019 2019
38. V.-V. Visuri, "Modellierung von Roheisenentschwefelung," *Seminar presentation*, Department for Industrial Furnaces and Heat Engineering, RWTH Aachen University, Aachen, Germany, 11 November 2019 —"—
37. V.-V. Visuri, "Closing material and energy loops in metals production – examples from the SYMMET project," *A fossil-free society – what role can the industrial symbiosis play?*, Jernkontoret, Stockholm, Sweden, 18 October 2019 —"—
36. V.-V. Visuri, "An overview of modelling methods in primary and secondary metallurgy of steelmaking," *Invited lecture*, Department of Materials Engineering, KU Leuven, Leuven, Belgium, 14 June 2019 —"—

35. V.-V. Visuri, "MIMESIS – Mathematics and Materials Science for Steel Production and Manufacturing," *MSCA Individual Fellowship and Innovative Training Networks Information Session*, University of Oulu, Oulu, Finland, 13 May 2019 —"—
34. V.-V. Visuri, "Introduction to activities on primary and secondary metallurgy," Institute of Metallurgy Multiphase Transfer and Reaction Engineering, Northeastern University, Shenyang, China, 11 January 2019 —"—
33. V.-V. Visuri, "Pyrometallurgisten prosessien mallinnus," *Mallinnus ja simulointi teräksen tuotantoprosesseissa*, POHTO, Oulu, Finland, 20 November 2018 2018
32. V.-V. Visuri, "Adaptive Refining Metallurgy – An overview of recent research and guidelines for further research," *DIMECC FLEX Final Seminar*, DIMECC Oy, Helsinki, Finland, 23 October 2018 —"—
31. V.-V. Visuri, "Formation and behaviour of non-metallic inclusions during primary and secondary steelmaking," *Genome of Steel Scientific Advisory Board Meeting*, University of Oulu, Oulu, Finland, 21 February 2018 —"—
30. V.-V. Visuri, "Digitalisaation mahdollisuudet teräksenvalmistuksessa: Teollisuus 4.0 –ajattelu sulatolla," *Guest lecture at the Industry 2026 board meeting*, SSAB Europe Oy, Raahe, Finland, 15 February 2018 —"—
29. V.-V. Visuri, "Digitalisaation mahdollisuudet teräksenvalmistuksessa: Teollisuus 4.0 –ajattelu sulatolla," *Guest lecture*, SSAB Europe Oy, Raahe, Finland, 9 February 2018 —"—
28. V.-V. Visuri, "Digitalisaation mahdollisuudet teräksenvalmistuksessa: Teollisuus 4.0 –ajattelu sulatolla," *Tekniikan torstai: teräs*, University of Oulu, Oulu, Finland, 18 January 2018 —"—
27. V.-V. Visuri, "Possibilities of converter process modelling," *DIMECC 10th Annual Seminar*, DIMECC Oy, Turku, Finland, 30 October 2017 2017
26. T. Fabritius, V.-V. Visuri, M. Järvinen, P. Sulasalmi, and A. Kärnä, "Modeling of Rate Phenomena in the AOD and CAS-OB Processes," *The 4th International Symposium on Cutting Edge of Computer Simulation of Solidification, Casting and Refining*, Northeastern University, Xi'an, China, 2016 2016
- KEYNOTE PRESENTATION**
25. V.-V. Visuri, "Rate Phenomena in the AOD Process," *Thermodynamical calculations as support for control, development and understanding of pyro metallurgical processes*, Jernkontoret, Stockholm, Sweden, 19 April 2016 —"—
24. V.-V. Visuri, "Experiences from research exchange at RWTH Aachen University," *Terästutkimuskeskuksen tutkijaseminaari*, University of Oulu, Oulu, Finland, 8 June 2015 2015
23. V.-V. Visuri, "Advanced Melt Metallurgy – Production of advanced steels and ferroalloys with secondary metallurgy units," *FIMECC ELEMET Program's Final Seminar*, FIMECC Oy, Espoo, Finland, 23 October 2014 2014
22. T. Fabritius and V.-V. Visuri, "Metallurgisten prosessien mallinnus – energiatehokkaampia ja ympäristöystävällisempiä prosesseja," *Terästeollisuus haasteiden edessä – Niilo Suutalan juhlaseminaari*, POHTO, Oulu, Finland, 15 October 2014 —"—

21. V.-V. Visuri, "Modelling of reactions during top-blowing in the AOD process," *FIMECC SIMP PhD student seminar*, FIMECC Oy, Tornio, Finland, 20 August 2014 —"—
20. T. Fabritius, V.-V. Visuri, and P. Kupari, "Konverteriprosessin kehitystyö ruostumattomien terästen valmistuksessa," *Prosessipraktiikat – Ongelmat ja onnistumiset teräksen valmistuksessa*, POHTO, Oulu, Finland, 7 May 2014 —"—
19. V.-V. Visuri, "Modellierung von Reaktionen während des Aufblasens durch die Sauerstoffflanze im AOD-Verfahren," *Guest lecture*, SMS Siemag AG, Düsseldorf, Germany, 27 March 2014 —"—
18. V.-V. Visuri, "Advanced Melt Metallurgy – Production of advanced steels and ferroalloys with secondary metallurgy units," *FIMECC 5th Annual Seminar*, FIMECC Oy, Tampere, Finland, 20 November 2013 2013
17. V.-V. Visuri, "Advanced methods in modelling of metallurgical unit operations," *Research seminar of CASR*, University of Oulu, Oulu, Finland, 3 June 2013 —"—
16. V.-V. Visuri, "Fundamental model for recovery of slag in the AOD process," *Seminar on steel research within CASR*, University of Oulu, Oulu, Finland, 12 December 2012 2012
15. V.-V. Visuri, "Phenomena-based modeling of AOD process," *AOD Seminar*, Jernkontoret, Stockholm, Sweden, 13 March 2012 —"—
14. V.-V. Visuri, "Phenomena-based modeling of AOD process," *Chemical thermodynamics in furnaces – a joint symposium and course for combustion specialists and metallurgists*, Åbo Akademi University, Turku, Finland, 3 February 2012 —"—
13. V.-V. Visuri, "Konverteriprosessien ilmiöpohjainen mallinnus," *Terästutkimuskeskuksen tutkijaseminaari*, University of Oulu, Oulu, Finland, 24 November 2011 2011
12. V.-V. Visuri, "A case study of slag formation in the AOD process," *4th Annual JOPOKKI Post-Graduate Seminar*, University of Oulu, Oulu, Finland, 7 June 2011 —"—

Miscellaneous publications (11)

11. V.-V. Visuri, "Alumnitarinoita (Ville-Valtteri Visuri)," *Laatta*, no. 2, p. 6, 2019 2019
10. V.-V. Visuri, "Häntä heiluttaa koira," *Kaleva*, December 29, 2017. Letter to the editor 2017
9. V.-V. Visuri, "Jatkoajalla," *Oulun ylioppilaslehti*, vol. 56, no. 6, p. 24, 2016 2016
8. V.-V. Visuri, "Pienpanimo-oluista vientituote," *Helsingin sanomat*, March 20, 2016. Letter to the editor —"—
7. V.-V. Visuri, "Nelosoluen vapauttaminen parantaisi olutkulttuuria," *Helsingin Sanomat*, p. C8, March 6, 2013. Letter to the editor 2013
6. V.-V. Visuri, "Vertailussa baijerilaiset suodattamattomat vehnälivet," *Ylkkäri – Oulun ylioppilaslehti*, vol. 52, no. 5, p. 7, 2012 2012
5. V.-V. Visuri, "Koulutuspoliittinen keskustelu," *Kaleva*, March 17, 2011. Letter to the editor 2011

4. V.-V. Visuri, “Vaihto-opiskeluraportti – Technische Universität München,” *Laatta*, no. 4, pp. 28–31, 2010 2010
3. V.-V. Visuri, “Jouluisia olutarvioita,” *Laatta*, no. 4, pp. 32–40, 2008 2008
2. V.-V. Visuri, “Chuck Norris Facts,” *Laatta*, no. 2, p. 37, 2008 ——
1. V.-V. Visuri, “Rahastonhoitajan olutartikkeli,” *Laatta*, no. 2, pp. 22–35, 2008 ——