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## Summary

### PUBLICATIONS AND PRESENTATIONS

#### Publications

A – Peer-reviewed scientific articles	72
A1 – Peer-reviewed original articles in scientific journals (50)	
A2 – Peer-reviewed review articles in scientific journals (2)	
A3 – Peer-reviewed book section or chapter (1)	
A4 – Peer-reviewed articles in conference proceedings (19)	
B – Non-peer-reviewed scientific articles	25
B1 – Writing in scientific journal (1)	
B2 – Non-peer-reviewed book sections (4)	
B3 – Non-peer-reviewed articles in conference proceedings (20)	
C – Peer-reviewed scientific books	4
C1 – Books (3)	
C2 – Edited book, conference proceedings or special issue of a journal (1)	
D – Publications intended for professional communities	38
D1 – Articles in trade journals (15)	
D4 – Published development or research reports (23)	
E – Publications intended for the general public	6
E1 – Popularised article, newspaper article (6)	
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	162

#### Presentations

Poster presentations	5
Presentations and invited talks	58
Total	63

#### Miscellaneous publications

Miscellaneous publications	11
<b>GRAND TOTAL</b>	<b>236</b>

## Publications (162)

### A – Peer-reviewed scientific articles (72) .....

#### A1 – PEER-REVIEWED ORIGINAL ARTICLES IN SCIENTIFIC JOURNALS (50)

236. 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*, forthcoming  
DOI: 10.1002/srin.202300529 FORTHCOMING
235. 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*, forthcoming  
DOI: 10.1002/srin.202300393 —”
234. T. Vuolio, V.-V. Visuri, H. Tähtilä, P. Pekuri, and T. Fabritius, “The Synergistic Effect of Na<sub>2</sub>O on Hot Metal Desulfurization Kinetics in CaO–Na<sub>2</sub>O–SiO<sub>2</sub>–Al<sub>2</sub>O<sub>3</sub>–MgO Slag System,” *Chemical Engineering Science*, vol. 284, 2024. 119525  
DOI: 10.1016/j.ces.2023.119525 2024
233. 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  
DOI: 10.1007/s11663-023-02859-5 2023
232. 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  
DOI: 10.1080/10426914.2023.2195916 —”
231. 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 —”
230. 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 —”
229. B. Mitás, 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  
DOI: 10.1007/s11663-023-02808-2 —”

228. 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
227. 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
226. 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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225. 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  
DOI: 10.1007/s11663-022-02531-4
224. A. Pohjonen, S. R. Babu, and V.-V. Visuri, "Coupled model for carbon partitioning, diffusion, Cottrell atmosphere formation and cementite precipitation in martensite during quenching," *Computational Materials Science*, vol. 209, 2022. 111413  
DOI: j.commatsci.2022.111413
223. S. Jawahery, V.-V. Visuri, S. O. Wasbø, A. Hammervold, N. Hyttinen, and M. Schlautmann, "Thermophysical Model of Electric Arc Furnace for Online Optimization and Control," *Metals*, vol. 11, no. 10, 2021. 1587  
DOI: 10.3390/met11101587
222. Q. Shu, T. Alatarvas, V.-V. Visuri, and T. Fabritius, "Modelling the Nucleation, Growth and Agglomeration of Alumina Inclusions in Molten Steel by Combining Kampmann-Wagner Numerical Model with Particle Size Grouping Method," *Metallurgical and Materials Transactions B*, vol. 52, no. 3, pp. 1818–1829, 2021  
DOI: 10.1007/s11663-021-02148-z
221. 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  
DOI: 10.1080/03019233.2020.1758994
220. 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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219. J. Miettinen, V.-V. Visuri, and T. Fabritius, “Thermodynamic description of ternary Fe–B–X systems. Part 8: Fe–B–Mo, with extension to quaternary Fe–B–Cr–Mo system,” *Archives of Metallurgy and Materials*, vol. 66, no. 1, pp. 281–295, 2021  
DOI: 10.24425/amm.2021.134786 —”
218. 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 2020
217. Q. Shu, V.-V. Visuri, T. Alatarvas, and T. Fabritius, “A Model for Inclusion Precipitation Kinetics during Solidification of Steel–Applications in MnS and TiN inclusions,” *Metallurgical and Materials Transactions B*, vol. 51, no. 6, pp. 2905–2916, 2020  
DOI: 10.1007/s11663-020-01955-0 —”
216. A. Kärnä, V.-V. Visuri, E.-P. Heikkinen, P. Sulasalmi, P. Torvinen, J. Koskinen, and T. Fabritius, “Numerical Modeling of Argon–Oxygen Decarburization Slag Cooling,” *Steel Research International*, vol. 91, no. 11, 2020. 2000054  
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215. 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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214. M. Pylvänäinen, V.-V. Visuri, J. Nissilä, J. Laurila, K. Karioja, S. Ollila, T. Fabritius, and T. Liedes, “Vibration-Based Monitoring of Gas-Stirring Intensity in Vacuum Tank Degassing,” *Steel Research International*, vol. 91, no. 6, 2020. 1900587  
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213. 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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212. 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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211. N. Alia, M. Pylvänäinen, V.-V. Visuri, V. John, and S. Ollila, “Vibrations of a laboratory-scale gas-stirred ladle with two eccentric nozzles and multiple sensors,” *Journal of Iron and Steel Research International*, vol. 26, no. 10, pp. 1031–1040, 2019  
DOI: 10.1007/s42243-019-00241-x —”
210. J. Miettinen, V.-V. Visuri, T. Fabritius, N. Milcheva, and G. Vassilev, “Thermodynamic description of ternary Fe–B–X systems. Part 6: Fe–B–Ti,” *Archives of Metallurgy and Materials*, vol. 64, no. 4, pp. 1249–1255, 2019  
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209. J. Miettinen, V.-V. Visuri, T. Fabritius, N. Milcheva, and G. Vassilev, "Thermodynamic description of ternary Fe–B–X systems. Part 5: Fe–B–Si," *Archives of Metallurgy and Materials*, vol. 64, no. 4, pp. 1239–1248, 2019  
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208. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, T. Fabritius, J. Savolainen, M. Li, and L. Shao, "Numerical Modelling of the Influence of Argon Flow Rate and Slag Layer Height on Open-Eye Formation in a 150 Ton Steelmaking Ladle," *Metals*, vol. 9, no. 9, 2019. 1048  
DOI: 10.3390/met9101048 —"
207. T. Haas, A. Ringel, V.-V. Visuri, M. Eickhoff, and H. Pfeifer, "Direct Measurement of the Direction, Size and Velocity of Droplets Generated by Top-blowing," *Steel Research International*, vol. 90, no. 9, 2019. 1900177  
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206. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, T. Fabritius, T. Saatio, M. Li, and L. Shao, "Numerical Modeling of Open-Eye Formation and Mixing Time in Argon Stirred Industrial Ladle," *Metals*, vol. 9, no. 8, 2019. 829  
DOI: 10.3390/met9080829 —"
205. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, T. Palovaara, A. K. Gupta, and T. Fabritius, "Physical and CFD Modelling of the Effect of Top Layer Properties on the Formation of Open-eye in Gas-stirred Ladles with Single and Dual-plugs," *Steel Research International*, vol. 90, no. 8, 2019. 1900088  
DOI: 10.1002/srin.201900088 —"
204. T. Vuolio, V.-V. Visuri, A. Sorsa, T. Paananen, and T. Fabritius, "Genetic Algorithm-Based Variable Selection in Prediction of Hot Metal Desulfurization Kinetics," *Steel Research International*, vol. 90, no. 8, 2019. 1900090  
DOI: 10.1002/srin.201900090 —"
203. T. Vuolio, V.-V. Visuri, T. Paananen, and T. Fabritius, "Identification of Rate, Extent and Mechanisms of Hot Metal Resulfurization with CaO–SiO<sub>2</sub>–Na<sub>2</sub>O Slag Systems," *Metallurgical and Materials Transactions B*, vol. 50, no. 4, pp. 1791–1807, 2019  
DOI: 10.1007/s11663-019-01600-5 —"
202. J. Miettinen, V.-V. Visuri, T. Fabritius, N. Milcheva, and G. Vassilev, "Thermodynamic Description of Ternary Fe–B–X Systems. Part 4: Fe–B–V," *Archives of Metallurgy and Materials*, vol. 64, no. 2, pp. 451–456, 2019  
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201. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, R. Mattila, and T. Fabritius, "Modelling of the Effect of the Gas Flow Rate on the Fluid Flow and Open-Eye Formation in a Water Model of a Steelmaking Ladle," *Steel Research International*, vol. 90, no. 2, 2019. 1800365  
DOI: 10.1002/srin.201800365  
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AMONG THE 10 MOST ACCESSED ARTICLES OF STEEL RESEARCH INTERNATIONAL IN 2020 —"
200. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, and T. Fabritius, "A CFD and Experimental Investigation of Slag Eye in Gas Stirred Ladle," *Journal of Fluid Flow, Heat and Mass Transfer*, vol. 5, pp. 78–86, 2018  
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199. 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  
DOI: 10.1002/srin.201800141 —”
198. T. Vuolio, V.-V. Visuri, S. Tuomikoski, T. Paananen, and T. Fabritius, “Data-Driven Mathematical Modeling of the Effect of Particle Size Distribution on the Transitory Reaction Kinetics of Hot Metal Desulfurization,” *Metallurgical and Materials Transactions B*, vol. 49, no. 5, pp. 2692–2708, 2018  
DOI: 10.1007/s11663-018-1318-4 —”
197. A. Kruskopf and V.-V. Visuri, “A Gibbs Energy Minimization Approach for Modeling of Chemical Reactions in a Basic Oxygen Furnace,” *Metallurgical and Materials Transactions B*, vol. 48, no. 6, pp. 3281–3300, 2017  
DOI: 10.1007/s11663-017-1074-x 2017
196. 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: Validation and Results,” *Metallurgical and Materials Transactions B*, vol. 48, no. 3, pp. 1868–1884, 2017  
DOI: 10.1007/s11663-017-0961-5 —”
195. 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  
DOI: 10.1007/s11663-017-0960-6 —”
194. P. Sulasalmi, V.-V. Visuri, A. Kärnä, M. Järvinen, S. Ollila, and T. Fabritius, “A Mathematical Model for the Reduction Stage of the CAS-OB Process,” *Metallurgical and Materials Transactions B*, vol. 47, no. 6, pp. 3544–3556, 2016  
DOI: 10.1007/s11663-016-0769-8 2016
193. M. Järvinen, V.-V. Visuri, E.-P. Heikkinen, A. Kärnä, P. Sulasalmi, C. D. Blasio, and T. Fabritius, “Law of Mass Action Based Kinetic Approach for the Modeling of Parallel Mass Transfer Limited Reactions: Application to Metallurgical Systems,” *ISIJ International*, vol. 56, no. 9, pp. 1543–1552, 2016  
DOI: 10.2355/isijinternational.ISIJINT-2016-241 —”
192. C. De Blasio, C. Carletti, A. Lundell, V.-V. Visuri, T. Kokkonen, T. Westerlund, T. Fabritius, and M. Järvinen, “Employing a step-wise titration method under semi-slow reaction regime for evaluating the reactivity of limestone and dolomite in acidic environment,” *Minerals Engineering*, vol. 86, no. 2, pp. 43–58, 2016  
DOI: 10.1016/j.mineng.2015.11.011 —”
191. P. Sulasalmi, V.-V. Visuri, A. Kärnä, and T. Fabritius, “Simulation of the effect of steel flow velocity on slag droplet distribution and interfacial area between steel and slag,” *Steel Research International*, vol. 86, no. 3, pp. 212–222, 2015  
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190. M. Järvinen, A. Kärnä, V.-V. Visuri, P. Sulasalmi, E.-P. Heikkinen, K. Pääskylä, C. De Blasio, S. Ollila, and T. Fabritius, “A Novel Approach for Numerical Modeling of the CAS-OB Process: Process Model for the Heat-Up Stage,” *ISIJ International*, vol. 54, no. 10, pp. 2263–2272, 2014  
DOI: [10.2355/isijinternational.54.2263](https://doi.org/10.2355/isijinternational.54.2263)
189. V.-V. Visuri, M. Järvinen, J. Savolainen, P. Sulasalmi, E.-P. Heikkinen, and T. Fabritius, “A Mathematical Model for the Reduction Stage of the AOD Process. Part II: Model Validation and Results,” *ISIJ International*, vol. 53, no. 4, pp. 613–621, 2013  
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188. V.-V. Visuri, M. Järvinen, P. Sulasalmi, E.-P. Heikkinen, J. Savolainen, and T. Fabritius, “A Mathematical Model for the Reduction Stage of the AOD Process. Part I: Derivation of the Model,” *ISIJ International*, vol. 53, no. 4, pp. 603–612, 2013  
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187. M. Iljana, O. Mattila, T. Alatarvas, V.-V. Visuri, J. Kurikkala, T. Paananen, and T. Fabritius, “Dynamic and Isothermal Reduction Swelling Behaviour of Olivine and Acid Iron Ore Pellets under Simulated Blast Furnace Shaft Conditions,” *ISIJ International*, vol. 52, no. 7, pp. 1257–1265, 2012  
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#### A2 – PEER-REVIEWED REVIEW ARTICLES IN SCIENTIFIC JOURNALS (2)

186. 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  
DOI: [10.1002/srin.202000395](https://doi.org/10.1002/srin.202000395)  
[TOP CITED ARTICLE 2021–2022 | STEEL RESEARCH INTERNATIONAL](#)  
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185. 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)

184. 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](https://doi.org/10.1016/B978-0-323-85373-6.00008-9)

#### A4 – PEER-REVIEWED ARTICLES IN CONFERENCE PROCEEDINGS (19)

183. 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. XXX, 2024 FORTHCOMING

182. E. Hoikkaniemi, P. Sulasalmi, V.-V. Visuri, and T. Fabritius, “Biochar as a slag foaming agent in EAF – A novel experimental setup,” *IOP Conference Series: Materials Science and Engineering*, vol. XXX, 2024 —”
181. A. Rautioaho, H. Pauna, V.-V. Visuri, M. Huttula, and T. Fabritius, “Electric steelmaking process monitoring with optical emission spectroscopy - A mini-review,” *IOP Conference Series: Materials Science and Engineering*, vol. XXX, 2024 —”
180. 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 2023  
DOI: 10.1007/978-981-99-1988-8\_3
179. T. Manninen, S. Kodukula, and V.-V. Visuri, “Sampling crystallographic orientations for predicting the anisotropy of cold-rolled and annealed austenitic stainless steel,” *Proceedings of the 11th European Stainless Steel Conference - Science & Market & 7th European Duplex Stainless Steel Conference & Exhibition*, Associazione Italiana di Metallurgia, Milan, Italy, pp. 119–126, 2022 2022
178. S. Louhenkilpi, A. Laukka, J. Miettinen, J. Norrena, V.-V. Visuri, T. Alatarvas, T. Fabritius, and E. Piipponen, “Online 3D heat transfer and solidification/microstructure models and their capabilities for simulation of continuous casting of steel and quality prediction,” *Proceedings of the 9th International Conference on Modeling and Simulation of Metallurgical Processes in Steelmaking* (M. Wu, ed.), The Austrian Society for Metallurgy and Materials, Vienna, Austria, pp. 413–421, 2021 2021
177. V.-V. Visuri, E.-P. Heikkinen, and T. Fabritius, “Dynamic changes in slag properties during the reduction stage of the AOD process,” *Proceedings of the 9th International Conference on Modeling and Simulation of Metallurgical Processes in Steelmaking* (M. Wu, ed.), The Austrian Society for Metallurgy and Materials, Vienna, Austria, pp. 101–110, 2021 —”  
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176. V.-V. Visuri, P. Kupari, A. Hammervold, S. O. Wasbø, M. Schlautmann, and V. Peiss, “Model predictive control of the AOD process for material and energy optimisation,” *Proceedings of the 9th International Conference on Modeling and Simulation of Metallurgical Processes in Steelmaking* (M. Wu, ed.), The Austrian Society for Metallurgy and Materials, Vienna, Austria, pp. 128–135, 2021 —”  
[PRESENTING AUTHOR, KEYNOTE PRESENTATION](#)
175. A. Heikkilä, V.-V. Visuri, E.-P. Heikkinen, and T. Fabritius, “A Study on the Temperature Dependency of the Electrical Conductivity of Chromite Pellets,” *Proceedings of the 16th International Ferro-Alloys Congress* (A. Wærnes, G. Tranell, M. Tangstad, E. Ringdalen, and C. van der Eijk, eds.), SINTEF/NTNU/FFF, Trondheim, Norway, 2021 —”  
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174. [V.-V. Visuri](#), J. Kunelius, E. Puukko, and T. Fabritius, “An Experimental Study of the Formation of Surface Agglomerates in a Submerged Arc Furnace,” *Proceedings of the 16th International Ferro-Alloys Congress* (A. Wærnes, G. Tranell, M. Tangstad, E. Ringdalen, and C. van der Eijk, eds.), SINTEF/NTNU/FFF, Trondheim, Norway, 2021  
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173. [V.-V. Visuri](#), E.-P. Heikkinen, J. Kaisto, A. Harju, R. Mattila, P. Kupari, T. Ikäheimonen, and T. Fabritius, “The Effect of the MgO Content of Slag on its Penetrability into the Refractory Lining in a Ferrochrome Converter,” *Proceedings of the 16th International Ferro-Alloys Congress* (A. Wærnes, G. Tranell, M. Tangstad, E. Ringdalen, and C. van der Eijk, eds.), SINTEF/NTNU/FFF, Trondheim, Norway, 2021  
DOI: [10.2139/ssrn.3926727](https://doi.org/10.2139/ssrn.3926727)  
[PRESENTING AUTHOR](#) —”
172. S. Louhenkilpi, J. Miettinen, J. Laine, R. Vesanen, I. Rentola, J. Moilanen, [V.-V. Visuri](#), E.-P. Heikkinen, and A. Jokilaakso, “Online Modelling of Heat Transfer, Solidification and Microstructure in Continuous Casting of Steel,” *IOP Conference Series: Materials Science and Engineering*, vol. 529, 2019. 012051  
DOI: [10.1088/1757-899X/529/1/012051](https://doi.org/10.1088/1757-899X/529/1/012051)  
[PRESENTING AUTHOR](#) 2019
171. J. Miettinen, S. Louhenkilpi, [V.-V. Visuri](#), and T. Fabritius, “Advances in Modeling of Steel Solidification with IDS,” *IOP Conference Series: Materials Science and Engineering*, vol. 529, 2019. 012063  
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[PRESENTING AUTHOR](#) —”
170. E. K. Ramasetti, [V.-V. Visuri](#), P. Sulasalmi, and T. Fabritius, “Experimental and Numerical Investigation of Slag Thickness Effect on the Formation of Slag Eye in a Water Model of a Steel Making Ladle,” *Proceedings of the 21st Australasian Fluid Mechanics Conference*, Australasian Fluid Dynamics Society, Adelaide, Australia, 2018 2018
169. E. K. Ramasetti, [V.-V. Visuri](#), P. Sulasalmi, and T. Fabritius, “A CFD and Experimental Investigation of Slag Eye in Gas Stirred Ladle,” *Proceedings of the 5th International Conference on Fluid Flow, Heat and Mass Transfer*, International ASET Inc., Niagara Falls, Canada, 2018  
DOI: [10.11159/ffhmt18.148](https://doi.org/10.11159/ffhmt18.148) —”
168. 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 2017

167. T. Haas, V.-V. Visuri, A. Kärnä, E. Isohookana, P. Sulasalmi, R. H. Eriç, H. Pfeifer, and T. Fabritius, “Physical Modelling of the Effect of Slag and Top-Blowing on Mixing in the AOD Process,” *Advances in Molten Slags, Fluxes, and Salts: Proceedings of the 10th International Conference on Molten Slags, Fluxes, and Salts* (R. G. Reddy, P. Chaubal, P. C. Pistorius, and U. Pal, eds.), The Minerals, Metals and Materials Society, Seattle, WA, USA, pp. 999–1008, 2016  
DOI: [10.1007/978-3-319-48769-4\\_106](https://doi.org/10.1007/978-3-319-48769-4_106)
166. P. Sulasalmi, V.-V. Visuri, and T. Fabritius, “Effect of Interfacial Tension on the Emulsification – Considerations on the CFD Modelling of Dispersion,” *Physical and Numerical Simulation of Materials Processing VII* (L. P. Karjalainen, D. A. Porter, and S. A. Järvenpää, eds.), vol. 762 of *Materials Science Forum*, pp. 242–247, 2013  
DOI: [10.4028/www.scientific.net/MSF.762.242](https://doi.org/10.4028/www.scientific.net/MSF.762.242)
165. M. Järvinen, V.-V. Visuri, S. Pislä, A. Kärnä, P. Sulasalmi, E.-P. Heikkinen, and T. Fabritius, “Advanced Methods in Modelling of Metallurgical Unit Operations,” *Physical and Numerical Simulation of Materials Processing VII* (L. P. Karjalainen, D. A. Porter, and S. A. Järvenpää, eds.), vol. 762 of *Materials Science Forum*, pp. 236–241, 2013  
DOI: [10.4028/www.scientific.net/MSF.762.236](https://doi.org/10.4028/www.scientific.net/MSF.762.236)

## B – Non-peer-reviewed scientific articles (25) .....

### B1 – WRITING IN SCIENTIFIC JOURNAL (1)

164. 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)

163. 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  
[PRESENTING AUTHOR](#)
162. 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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161. V.-V. Visuri, “Phenomena-based modelling of the AOD process / A Mathematical Model for Reactions during Top-Blowing in the AOD Process,” *Graduate School in Chemical Engineering Yearbook 2013* (M. Ljung, ed.), Åbo Akademi University, Åbo, Finland, pp. 383–392, 2013  
[PRESENTING AUTHOR](#)  
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160. [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  
[PRESENTING AUTHOR](#)

B3 – NON-PEER-REVIEWED ARTICLES IN CONFERENCE PROCEEDINGS (20)

159. 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
158. B. Mitas, [V.-V. Visuri](#), and J. Schenk, “Modelling Emulsion Refining in BOF Steelmaking,” *Proceedings of the 6th European Steel Technology and Application Days*, Steel Institute VDEh, Düsseldorf, Germany, 2023
157. Q. Shu, [V.-V. Visuri](#), T. Alatarvas, and T. Fabritius, “A model for inclusion precipitation kinetics during solidification of steel,” *Proceedings of the 10th European Conference on Continuous Casting*, Associazione Italiana di Metallurgia, Bari, Italy, 2021
156. S. Louhenkilpi, J. Miettinen, [V.-V. Visuri](#), and T. Fabritius, “Application of the IDS solidification and microstructure tool for quality prediction in continuous casting of steel with novel phenomenological quality criteria,” *Proceedings of the 10th European Conference on Continuous Casting*, Associazione Italiana di Metallurgia, Bari, Italy, 2021  
[PRESENTING AUTHOR](#)
155. [V.-V. Visuri](#), M. Aula, A. Ringel, and T. Fabritius, “Towards dynamic modeling of the EAF process,” *Proceedings of the 12th European Electric Steelmaking Conference*, Institute of Materials, Minerals and Mining, Sheffield, United Kingdom, pp. 351–359, 2021
154. A. Kärnä, P. Sulasalmi, [V.-V. Visuri](#), T. Fabritius, P. Torvinen, and J. Koskinen, “Numerical modelling of slag cooling,” *Proceedings of the 4th European Steel Technology and Application Days*, Stahlinstitut VDEh, Düsseldorf, Germany, 2019
153. T. Veijola, M. Aula, N. Hyttinen, [V.-V. Visuri](#), M. Jokinen, and T. Fabritius, “Modifying the EAF voltage tap profile for lower electrode tip consumption and increased energy efficiency,” *Proceedings of the 4th European Steel Technology and Application Days*, Stahlinstitut VDEh, Düsseldorf, Germany, 2019
152. [V.-V. Visuri](#), P. Sulasalmi, T. Vuolio, T. Paananen, T. Haas, H. Pfeifer, and T. Fabritius, “Mathematical Modelling of the Effect of Reagent Particle Size Distribution on the Efficiency of Hot Metal Desulphurisation,” *Proceedings of the 4th European Steel Technology and Application Days*, Stahlinstitut VDEh, Düsseldorf, Germany, 2019  
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151. E.-P. Heikkinen, [V.-V. Visuri](#), and T. Fabritius, “On the heterogeneity of AOD slags in different stages of blowing,” *Proceedings of the 8th European Oxygen Steelmaking Conference*, Associazione Italiana di Metallurgia, Taranto, Italy, 2018

150. V.-V. Visuri, R. Mattila, P. Kupari, and T. Fabritius, “A comparative study on refractory wear associated with fluxes for AOD slags,” *Proceedings of the 7th International Congress on Science and Technology of Steelmaking*, Associazione Italiana di Metallurgia, Venice, Italy, 2018  
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149. 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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148. H. Pesonen, V.-V. Visuri, T. Ikäheimonen, and T. Fabritius, “In Situ Measurement of Silicon Content in Molten Ferrochrome,” *Proceedings of the European Steel Technology and Application Days 2017*, The Austrian Society for Metallurgy and Materials, Vienna, Austria, pp. 1218–1227, 2017  
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147. E.-P. Heikkinen, V.-V. Visuri, H. Suopajarvi, A. Kemppainen, M. Aula, P. Sulasalmi, and T. Fabritius, “Selected research focus areas for energy and material improvements in reduction and refining metallurgy,” *Proceedings of the 2nd ISIJ-VDEh-Jernkontoret Joint Symposium*, Jernkontoret, Stockholm, Sweden, pp. 24–33, 2017 —”
146. V.-V. Visuri, E. Isohookana, A. Kärnä, T. Haas, R. H. Eriç, and T. Fabritius, “A Physical Modelling Study of Mixing in an AOD Vessel,” *Proceedings of the 5th International Conference on Process Development in Iron and Steelmaking*, Swerea MEFOS, Luleå, Sweden, 2016  
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145. M. Pylvänäinen, V.-V. Visuri, T. Liedes, J. Laurila, K. Karioja, S. Pikkupeura, S. Ollila, and T. Fabritius, “Vibration-based Assessment of Gas Stirring Intensity in Ladle Treatments,” *Proceedings of the 5th International Conference on Process Development in Iron and Steelmaking*, Swerea MEFOS, Luleå, Sweden, 2016  
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144. V.-V. Visuri, M. Järvinen, K. Pääskylä, A. Kärnä, P. Sulasalmi, C. D. Blasio, S. Ollila, and T. Fabritius, “Preliminary Validation of a Numerical Model for the CAS-OB Process,” *Proceedings of the 7th European Oxygen Steelmaking Conference*, Czech Metallurgical Society, Třinec, Czech Republic, 2014  
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143. V.-V. Visuri, E.-P. Heikkinen, M. Järvinen, J. Savolainen, and T. Fabritius, “Phenomena-based model in AOD process improvement,” *Proceedings of the 4th International Conference on Process Development in Iron and Steelmaking*, vol. 1 of 225-235, Swerea MEFOS, Luleå, Sweden, 2012  
PRESENTING AUTHOR 2012
142. E.-P. Heikkinen, J. Savolainen, T. Ikäheimonen, V.-V. Visuri, and T. Fabritius, “A study on the Al-Ti-O-N inclusions in austenitic stainless steels – a comparison between CTD and process samples,” *Proceedings of the 8th International Conference on Clean Steel*, Hungarian Mining and Metallurgical Society, Budapest, Hungary, 2012 —”

141. E.-P. Heikkinen, T. Ikäheimonen, O. Mattila, T. Fabritius, and V.-V. Visuri, 2011  
 “Behavior of Silicon, Carbon and Chromium in the Ferrochrome Converter – A Comparison Between the CTD and Process Samples,”  
*Proceedings of the 6th European Oxygen Steelmaking Conference*,  
 Jernkontoret, Stockholm, Sweden, 2011
140. 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 (4) .....

### C1 – Book (3)

139. J. Miettinen, V.-V. Visuri, and T. Fabritius, *Carbon-containing thermodynamic descriptions of the Fe–Cr–Cu–Mo–Ni–C system for modeling the solidification of steels*. No. 787 in Acta Universitatis Ouluensis C Technica, Oulu, Finland: University of Oulu, 2021. 214 pp. ISBN 978-952-62-2250-9.  
 Persistent link: <http://urn.fi/urn:isbn:9789526229300> 2021
138. J. Miettinen, V.-V. Visuri, and T. Fabritius, *Chromium-, copper-, molybdenum-, and nickel-containing thermodynamic descriptions of the Fe–Al–Cr–Cu–Mn–Mo–Ni–Si system for modeling the solidification of steels*. No. 758 in Acta Universitatis Ouluensis C Technica, Oulu, Finland: University of Oulu, 2020. 404 pp. ISBN 978-952-62-2708-5.  
 Persistent link: <http://urn.fi/urn:isbn:9789526227092> 2020
137. J. Miettinen, V.-V. Visuri, and T. Fabritius, *Thermodynamic description of the Fe–Al–Mn–Si–C system for modelling solidification of steels*. No. 704 in Acta Universitatis Ouluensis C Technica, Oulu, Finland: University of Oulu, 2019. 237 pp. ISBN 978-952-62-2929-4.  
 Persistent link: <http://urn.fi/urn:isbn:9789526222516> 2019

### C2 – EDITED BOOK, CONFERENCE PROCEEDINGS OR SPECIAL ISSUE OF A JOURNAL (1)

136. T. Echterhof, K. Ohno, and V.-V. Visuri, eds., *Modeling and Simulation of Metallurgical Processes in Ironmaking and Steelmaking*. Special issue, Basel, Switzerland: MDPI, 2022. 286 pp. ISBN 978-3-0365-5153-1.  
 DOI: <https://doi.org/10.3390/books978-3-0365-5154-8> 2022

## D – Publications intended for professional communities (38) .....

### D1 – ARTICLES IN TRADE JOURNALS (15)

135. V.-V. Visuri, I. Vaajamo, M. Marjakoski, S. Rannantie, and V. Ikäheimo, 2023  
 “Metallurgijaoston syysseminaari 2023,” *Materia*, vol. 81, no. 5, pp. 65–67,  
 2023
134. J. Fredriksson and V.-V. Visuri, “Metallurgijaoston teekkari-info LUT-  
 yliopistolla,” *Materia*, vol. 81, no. 4, p. 75, 2023 —"—
133. V. Ikäheimo, M. Marjakoski, I. Vaajamo, and V.-V. Visuri, “Metallurgijaoston  
 kevätseminaari 2023,” *Materia*, vol. 81, no. 3, pp. 71–72, 2023 —"—

132. V. Ikäheimo, J. Jansson, M. Kojo, M. Marjakoski, I. Vaajamo, and V.-V. Visuri, “Metallurgijaoston syysseminaari 2022,” *Materia*, vol. 80, no. 5, p. 67, 2022 2022
131. V.-V. Visuri, “Digitalisaatio ruostumattoman teräksen valmistuksessa,” *Materia*, vol. 80, no. 2, pp. 34–35, 2022 —”
130. J. Jansson and V.-V. Visuri, “Metallurgijaoston syysseminaari 2021,” *Materia*, vol. 80, no. 1, pp. 75–77, 2022 —”
129. V.-V. Visuri, M. Marjakoski, E. Karjalainen, M. Kojo, and I. Vaajamo, “Metallurgijaoston virtuaalinen syysretki Terrafamelle,” *Materia*, vol. 80, no. 1, pp. 72–74, 2022 —”
128. V.-V. Visuri, T. Vuolio, and T. Fabritius, “Datavetoisia menetelmiä raakaudan rikinpoiston mallinnukseen,” *Materia*, vol. 79, no. 4, p. 43, 2021 2021
127. V.-V. Visuri and T. Fabritius, “Senkkahuhtelun mallinnuksella tarkkuutta teräksen seostukseen,” *Materia*, vol. 78, no. 3, pp. 21–22, 2020 2020
126. V.-V. Visuri, E. K. Ramasetti, T. Fabritius, P. Das, L. Capone, N. Alia, M. J. Arenas Jaén, T. Petzold, D. Hömberg, V. Javaheri, S. K. Kolli, D. Porter, and S. R. Babu, “MIMESIS – Mathematics and Materials Science for Steel Production and Manufacturing,” *Materia*, vol. 77, no. 2, pp. 45–53, 2019 2019
125. T. Fabritius and V.-V. Visuri, “Energiatehokkuutta ja metallien kiertoa – uusia tutkimushankkeita (SYMMET – Symbiosis of metal production and nature),” *Materia*, vol. 77, no. 2, pp. 31–32, 2019 —”
124. T. Fabritius, V.-V. Visuri, E.-P. Heikkinen, J. Kömi, J. Larkiola, O. Nousiainen, U. Lassi, and P. Tynjälä, “Metallurginen tutkimus Oulun yliopistossa,” *Materia*, vol. 77, no. 1, pp. 16–19, 2019 —”
123. V.-V. Visuri, T. Fabritius, and I. Baarman, “SYMMET – Symbiosis of Metals Production and Nature,” *Materia*, vol. 76, no. 4, p. 87, 2018 2018
122. V.-V. Visuri and A. Bogdanoff, “FLEX WP3 – Adaptive Refining Metallurgy – Joustava metallien jalostus,” *Materia*, vol. 76, no. 1, pp. 74–75, 2018 —”
121. M. Leinonen, V.-V. Visuri, and I. Baarman, “Dynamic multiphysics modelling as guidance in progressing steel making (DYNAMO),” *Materia*, vol. 74, no. 1, p. 46, 2016 2016

#### D4 – PUBLISHED DEVELOPMENT OR RESEARCH REPORTS (23)

120. S. Rytky, V.-V. Visuri, T. Fabritius, and T. Ylimäinen, eds., *Towards Carbon Neutral Metals – Final report 01/2024*. Oulu, Finland: University of Oulu, 2024. 119 pp. ISBN 978-952-62-3963-7. 2024  
Persistent link: <https://urn.fi/URN:NBN:fi:oulu-202401101180>
119. V.-V. Visuri, “Dokumentation und Einsatzbereitschaft der Prozessmodelle für die LBO- und VAOD-Verfahren,” Sachverständigengutachten, voestalpine BÖHLER Edelstahl GmbH & Co KG, 2023 2023
118. V.-V. Visuri, “Confidential,” R&D report 2022\_0054, Outokumpu, Research and Development, 2022 2022
117. V.-V. Visuri, “Confidential,” R&D report 2022\_0047, Outokumpu, Research and Development, 2022 —”
116. S. Heppner, T. Manninen, V.-V. Visuri, and T. Saatio, “Confidential,” R&D report 2022\_0030, Outokumpu, Research and Development, 2022 —”

115. V.-V. Visuri, N. Hyttinen, P. Kupari, A. Uurtamo, T. Saatio, O. Mure, and E. Puukko, "Confidential," R&D report 2022\_0029, Outokumpu, Research and Development, 2022 —"
114. T. Alatarvas and V.-V. Visuri, "AMET in brief – project summary," *AMET – Alustatalous metallinjalostuksessa – Platform economy in metals processing. Final Report.* (J. Norrena, J. Ilmola, and T. Alatarvas, eds.), pp. 7–10, Oulu, Finland: University of Oulu, 2022 —"
113. E. Puukko, J. Kunelius, A. Björk, N. Hyttinen, and V.-V. Visuri, "Confidential," R&D report 2022\_0004, Outokumpu, Research and Development, 2022 —"
112. N. Hyttinen, V.-V. Visuri, E. Puukko, P. Kupari, J. Kunelius, J. Paso, and J. Ylpekkala, "Confidential," R&D report 2021\_0161, Outokumpu, Research and Development, 2021 2021
111. V.-V. Visuri, "Confidential," R&D report 2021\_0098, Outokumpu, Research and Development, 2021 —"
110. V.-V. Visuri, "Confidential," R&D report 2021\_0012, Outokumpu, Research and Development, 2021 —"
109. J. Talonen, T. Fabritius, and V.-V. Visuri, eds., *Symbiosis of metals production and nature.* Helsinki, Finland: CLIC Innovation Ltd, 2020. 79 pp. ISBN 978-952-7205-26-6 2020
108. V.-V. Visuri, "Confidential," R&D report 2020\_0157, Outokumpu, Research and Development, 2020 —"
107. S. Louhenkilpi, A. Jokilaakso, J. Laine, R. Vesänen, P. Kupari, J. Moilanen, M. Petäjäljärvi, A. Bogdanoff, S. Ollila, I. Rentola, T. Antola, T. Alatarvas, T. Fabritius, T. Lieder, M. Pylvänäinen, S. Tamminen, V.-V. Visuri, and A.-M. Warttainen, "Adaptive Refining Metallurgy," *FLEX – Flexible and Adaptive Operations in Metal Production*, DIMECC Final Report 1/2018, Tampere, Finland: DIMECC Oy, 2018 2018
106. A. Kemppainen, O. Mattila, T. Paananen, J. Kunelius, E. Puukko, H. Ervasti, P. Mäkelä, P. Palovaara, M. Jokinen, J. Roininen, H. Suopajärvi, A. Hietava, M. Iljana, M. Omran, V.-V. Visuri, A. Vuokila, T. Vuolio, J. Heimo, and A. Jokilaakso, "Proactive Metal Production," *FLEX – Flexible and Adaptive Operations in Metal Production*, DIMECC Final Report 1/2018, Tampere, Finland: DIMECC Oy, 2018 —"
105. M. Saqlain, M. Owais, M. Järvinen, V.-V. Visuri, and T. Fabritius, "Dephosphorization in ironmaking and oxygen steelmaking," Espoo, Finland: Aalto University, 2018 —"
104. J. Lilja, O. Mattila, J. Pelttari, L. Halonen, J. Kunelius, E. Puukko, S. Rannantie, M. Iljana, A. Kemppainen, J. Ruuska, V.-V. Visuri, A. Vuokila, H. Saxén, M. Helle, , and K. Penttilä, "Decision support of metallurgical processes," *SIMP – System Integrated Metals Processing*, DIMECC Final Report 4/2017, Tampere, Finland: DIMECC Oy, 2017 2017
103. A. Bogdanoff, S. Ollila, S. Kaukonen, J. Savolainen, K. Välimaa, A. Kruskopf, S. Louhenkilpi, T. Alatarvas, M. Aula, A. Kärnä, T. Lieder, M. Pylvänäinen, P. Sulasalmi, S. Tamminen, H. Tervo, V.-V. Visuri, and A.-M. Warttainen, "Dynamic Multiphysics Modeling for Steel Production," *SIMP – System Integrated Metals Processing*, DIMECC Final Report 4/2017, pp. 55–91, Tampere, Finland: DIMECC Oy, 2017 —"

102. M. Pylvänäinen, V.-V. Visuri, T. Liedes, J. Laurila, K. Karioja, T. Fabritius, and S. Ollila, "Vibration-based assessment of gas-stirring efficiency in ladle treatments," DIMECC SIMP Result of the Month, DIMECC Oy, Tampere, Finland, sep 2016 2016
101. P. Sulasalmi, A. Kärnä, V.-V. Visuri, M. Järvinen, and T. Fabritius, "The CAS-OB Process Simulator," FIMECC SIMP Result of the Month, FIMECC Oy, Tampere, Finland, feb 2016 —"
100. V.-V. Visuri, M. Järvinen, and T. Fabritius, "A new simulation tool for improving top-blowing practice in the AOD process," FIMECC SIMP Result of the Month, FIMECC Oy, Tampere, Finland, sep 2015 2015
99. V.-V. Visuri, "Basic Oxygen Furnace," *Steel industry – what they measure and how?* (M. Aula, A. Heikkilä, M. Iljana, T. Sipola, and V.-V. Visuri, eds.), Department of Process and Environmental Engineering Report 345, pp. 67–79, Oulu, Finland: University of Oulu, 2014 2014
98. P. Sulasalmi and V.-V. Visuri, "Environmental aspects of BOF slag and dust," *Some environmental aspects of BF, EAF and BOF* (M. Aula, J. Haapakangas, A. Heikkilä, M. Iljana, A. Kemppainen, J. Roininen, P. Sulasalmi, and V.-V. Visuri, eds.), Department of Process and Environmental Engineering Report 343, pp. 61–76, Oulu, Finland: University of Oulu, 2012 2012

## E – Publications intended for the general public (6) .....

### E1 – POPULARISED ARTICLE, NEWSPAPER ARTICLE (6)

97. V.-V. Visuri, "ESTIEM testimonial," forthcoming FORTHCOMING
96. V.-V. Visuri, "Puhe kunniatohtoreille," *DOCTORVM PROMOTIONES QVAS FACVLTATES VNIVERSITATIS OVLVENSIS INSTITVENT – Oulun yliopiston yhdestoista tohtoripromootio toukokuun 28. päivänä 2022* (N. Timosaari-Hyry and S. Rahikkala, eds.), pp. 90–91, Oulu, Finland: University of Oulu, 2023 2023
95. V.-V. Visuri, "Minustako prosessitekniiikan tohtori?," *Porle*, no. 2, pp. 10–12, 2023 2023
94. V.-V. Visuri, "Korona-aikana yritykset voivat antaa potkua tutkijanuralle," *Science with Arctic Attitude Blog (University of Oulu)*, March 16, 2021. Blog post 2021
93. V.-V. Visuri, "Riitit vievät meitä elämässä eteenpäin – siksi juhlia kannattaa aina, kun sille on aiheita," *Oulun ylioppilaslehti*, April 30, 2020. Column 2020
92. V.-V. Visuri, "Terästudkimusta Aachenissa," *Tutkijat maailmalle -blogi*, November 1, 2019. Blog post 2019

## G – Theses (3) .....

91. V.-V. Visuri, *Mathematical Modelling of Chemical Kinetics and Rate Phenomena in the AOD Process*. Doctoral thesis, University of Oulu, Oulu, Finland, 2017. Acta Universitatis Ouluensis Technica C, No. 625. 286 pp.  
Persistent link: <http://urn.fi/urn:isbn:9789526216713>  
GRADE: PASS WITH DISTINCTION (HIGHEST)



90. V.-V. Visuri, *Kuonanmuodostuksen termodynamiikka AOD-prosessimallissa*. 2011  
Master's thesis, University of Oulu, Oulu, Finland, 2011. 160 pp.  
GRADE: EXCELLENT (HIGHEST)
89. V.-V. Visuri, *Laatukustannukset: mallit ja mittaaminen*. Bachelor's thesis, 2008  
University of Oulu, Oulu, Finland, 2008. 31 pp.  
GRADE: PASS (NO GRADING)

## H – Patents and invention disclosures (2) .....

### H2 – INVENTION DISCLOSURES (2)

88. V.-V. Visuri, “Confidential,” invention disclosure, Outokumpu Stainless Oy, 2021
87. V.-V. Visuri and P. Kupari, “Confidential,” invention disclosure, Outokumpu Stainless Oy, 2020

## Other technical and scientific publications (12) .....

### EXTENDED ABSTRACTS IN CONFERENCE AND SEMINAR PROCEEDINGS (10)

86. R. Kallio, E.-P. Heikkinen, V. Isteri, A. Koskela, A. Abdelrahim, P. Sulasalmi, V.-V. Visuri, and T. Fabritius, “Overview of Recent Research Activities on Circular Economy in the Iron and Steel Industry at the Process Metallurgy Research Unit, University of Oulu,” *ESTEP Annual Event 2023 – A Circular Economy driven by the European Steels*, ESTEP, Barcelona, Spain, October 4, 2023
85. A. Laukkanen, T. Andersson, M. Lindroos, E. Huttunen-Saarivirta, E.-P. Heikkinen, V.-V. Visuri, and M. Lindgren, “Multiscale modeling of gas-slag-refractory interactions and degradation mechanisms,” *Unified International Technical Conference on Refractories (UNITECR) – 18th Biennial Worldwide Congress on Refractories* (T. Kaczmarek and C. Dannert, eds.), European Center for Refractories GmbH, Höhr-Grenzhausen, Germany, pp. 695–698, 2023
84. E.-P. Heikkinen, M. Lindgren, A. Laukkanen, E. Huttunen-Saarivirta, V.-V. Visuri, R. Mattila, and M. Lindroos, “Thermodynamic simulation of slag-refractory-interactions in different metallurgical systems,” *Unified International Technical Conference on Refractories (UNITECR) – 18th Biennial Worldwide Congress on Refractories* (T. Kaczmarek and C. Dannert, eds.), European Center for Refractories GmbH, Höhr-Grenzhausen, Germany, pp. 626–629, 2023
83. A. Piippo, K. Routanen, N. Poutiainen, E.-P. Heikkinen, and V.-V. Visuri, “Observations on the strength and drying performance of SolCast castables,” *Unified International Technical Conference on Refractories (UNITECR) – 18th Biennial Worldwide Congress on Refractories* (T. Kaczmarek and C. Dannert, eds.), European Center for Refractories GmbH, Höhr-Grenzhausen, Germany, pp. 199–202, 2023

82. J. Norrena, V.-V. Visuri, T. Alatarvas, T. Fabritius, S. Louhenkilpi, and H. Tähtilä, “Development of Machine Learning Models for Predicting Defect Formation in Continuous Casting of Steel with Phenomenological Quality Criteria from Solidification and Heat Transfer Simulations,” *Proceedings of the 10th International Conference on Modelling and Simulation of Metallurgical Processes in Steelmaking*, Institute of Materials, Minerals and Mining, Coventry, United Kingdom, 2023 —”
81. T. Alatarvas, E.-P. Heikkinen, V.-V. Visuri, E. Puukko, and P. Kupari, “Utilization of oxide raw materials in ferrochrome converter,” *Proceedings of the 10th International Conference on Modelling and Simulation of Metallurgical Processes in Steelmaking*, Institute of Materials, Minerals and Mining, Coventry, United Kingdom, 2023 —”
80. V.-V. Visuri, L. Hekkala, M. Aula, and T. Fabritius, “Development of a modular mathematical model for the EAF process,” *Proceedings of the 4th European Academic Symposium on EAF Steelmaking*, Department for Industrial Furnaces and Heat Engineering, RWTH Aachen University, Aachen, Germany, pp. 4–5, 2021 2021  
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79. V.-V. Visuri, S. Jawahery, N. Hyttinen, S. O. Wasbø, and M. Schlautmann, “Preliminary experiences from the application of model predictive control for the EAF process in stainless steelmaking,” *Proceedings of the 4th European Academic Symposium on EAF Steelmaking*, Department for Industrial Furnaces and Heat Engineering, RWTH Aachen University, Aachen, Germany, pp. 42–43, 2021 —”  
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78. V.-V. Visuri, E.-P. Heikkinen, A. Kärnä, P. Sulasalmi, and T. Fabritius, “Numerical modelling of AOD slag structure during cooling,” *Proceedings of the 11th International Conference on Molten Slags, Fluxes and Salts*, The Korean Institute of Metals and Materials, Seoul, Republic of Korea, 2021 —”  
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77. T. Fabritius, E.-P. Heikkinen, Q. Shu, and V.-V. Visuri, “Physico-chemical properties of slag in different stages of its life cycle – case studies from recent slag research,” *Proceedings of the 11th International Conference on Molten Slags, Fluxes and Salts*, The Korean Institute of Metals and Materials, Seoul, Republic of Korea, 2021 —”

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76. V.-V. Visuri, “Modelling of hot metal desulphurisation in steelmaking,” *Proceedings of the Latest in modelling symposium – in honour of professor Pertti Koukkari’s 65th birthday* (P. Kangas, R. Pajarre, K. Penttilä, and P. Vahala, eds.), VTT Technical Research Centre of Finland, Espoo, Finland, p. 19, 2019 2019  
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75. E. K. Ramasetti, V.-V. Visuri, P. Sulasalmi, and T. Fabritius, “Modelling of Effect of Gas Flow rate on Open-eye Formation and Mixing Time of Nickel Alloy in Argon Stirred Industrial Ladle,” *Proceedings of the 2nd International Symposium on Computational Particle Technology & 13th International Conference on CFD in the Minerals and Process Industries*, Monash University, Melbourne, Australia, p. 251, 2018 2018

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### Poster presentations (5) .....

74. V.-V. Visuri and P. Sulasalmi, "Hot metal desulphurisation simulator," 2016  
*DIMECC 9th Annual Seminar*, DIMECC Oy, Helsinki, Finland, November 14, 2016
73. V.-V. Visuri, P. Sulasalmi, and A. Kärnä, "Simulators for the AOD and CAS-OB processes," *DIMECC 9th Annual Seminar*, DIMECC Oy, Helsinki, Finland, November 14, 2016 —"
72. M. Pylvänäinen, V.-V. Visuri, T. Liedes, J. Laurila, K. Karioja, T. Fabritius, and S. Ollila, "Vibration-based assessment of gas-stirring efficiency in ladle treatments," *DIMECC 9th Annual Seminar*, DIMECC Oy, Helsinki, Finland, November 14, 2016 —"
71. A. Kärnä, V.-V. Visuri, P. Sulasalmi, M. Järvinen, and T. Fabritius, 2015  
"Mathematical Modelling of Converter and Ladle Processes," *FIMECC SIMP 1st Annual Seminar*, FIMECC Oy, Oulu, Finland, November 19, 2015
70. T. Fabritius, V.-V. Visuri, A. Kärnä, P. Sulasalmi, E. Muurinen, T. Kulju, M. Järvinen, S. Louhenkilpi, J. Laine, P. Koukkari, R. Pajarre, S. Ollila, M. Leinonen, K. Helelä, P. Hooli, and J. Savolainen, "Virtual steel plant," *SHOK Summit*, Strategic Centres for Science, Technology and Innovation, Helsinki, Finland, May 14, 2014 2014

### Seminar presentations and invited talks (58) .....

69. V.-V. Visuri, "Konverterprozesse bei der Edelstahlherstellung," *Gastvorlesung*, Montanuniversität Leoben, Leoben, Austria, March 1, 2024 2024
68. V.-V. Visuri, "LEAF: Towards CO<sub>2</sub>-lean electric arc furnace steelmaking through fundamental and data-driven mathematical modeling," *H<sub>2</sub> Whats up event*, University of Oulu, Oulu, Finland, February 2, 2024 —"
67. I. Mäkelä and V.-V. Visuri, "Smelter route: a new topic for metallurgical research," *SAF/OSBF Symposium*, RWTH Aachen University, Online, December 15, 2023 2023
66. V.-V. Visuri, "Hydrogen-based steelmaking routes," *Research for Green Transition: The role of hydrogen and industrial side streams in circular economy*, University of Oulu, Oulu, Finland, November 27, 2023 —"
65. V.-V. Visuri, "Vuorimiesyhdistys – Bergsmannaföreningen r.y.," *Vuori-ilta 2023*, Vuorimiesyhdistys – Bergsmannaföreningen r.y., Oulu, Finland, November 22, 2023 —"
64. V.-V. Visuri, P. Sulasalmi, S. Azadi, R. Kallio, R. Dishwar, and I. Mäkelä, "H<sub>2</sub>IRON – Carbon-free steelmaking by hydrogen use," *Advanced Steels for a Green Planet (AS<sub>4</sub>G) Seminar*, University of Oulu, Oulu, Finland, November 2, 2023 —"
63. T. Vuolio, J. Norrena, T. Alatarvas, and V.-V. Visuri, "Machine learning applications in steel research," *Arctic AI Days*, University of Oulu, Oulu, Finland, November 1, 2023 —"

62. V.-V. Visuri and T. Vuolio, "Narrowing down the sources of process variation in hot metal desulfurization through modeling," *International Process Metallurgy Symposium in honour of Professor Ari Jokilaakso – Metallurgy as a tool for challenges in circular economy*, Aalto University, Espoo, Finland, November 1, 2023 —"
61. V.-V. Visuri, "Hydrogen reduction – a path to CO<sub>2</sub>-free steelmaking," *Hydrogen Research Forum and Summer School for PhD students*, LUT University, Lappeenranta, Finland, August 10, 2023 —"
60. V.-V. Visuri, "Welcome to EASES 2023," *5th European Academic Symposium on EAF Steelmaking*, University of Oulu, Oulu, Finland, June 6, 2023 —"
59. V.-V. Visuri, "The future of scrap supply – global and regional perspectives," *WCEF2023 Accelerator Sessions: The Role of Scrap in Steel Sector Decarbonization*, WWF, Helsinki, Finland, June 1, 2023 —"
58. V.-V. Visuri, "Primary metallurgy, continuous casting and scale formation," *Outokumpu visit to University of Oulu*, University of Oulu, Oulu, Finland, May 30, 2023 —"
57. V.-V. Visuri, "Towards carbon-neutral metals," *Metallurgijaoston kevätseminaari: uudet teknologiat ja tulevaisuuden tekijät*, Vuorimiesyhdistys – Bergmannaföreningen r.y., Espoo, Finland, May 11, 2023 —"
56. V.-V. Visuri and J. Larkiola, "Fossil-free steel research," *Visit by US Ambassador H.E. Douglas Hickey*, University of Oulu, Oulu, Finland, March 21, 2023 —"
55. V.-V. Visuri, "Hydrogen reduction in steelmaking," *Visit by H.E. Mrs. Agnès Cukierman, the Ambassador of France to Finland*, University of Oulu, Oulu, Finland, February 17, 2023 —"
54. V.-V. Visuri, "Hydrogen reduction in steelmaking," *Clean production technologies for hydrogen – press event*, University of Oulu, Oulu, Finland, December 15, 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, November 2, 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, September 13, 2022 —"
51. V.-V. Visuri, "Puhe kunniatohtoreille," *Oulun yliopiston 11. tohtoripromootio*, University of Oulu, Oulu, Finland, May 28, 2022 —"
50. V.-V. Visuri, "Kromiitin suorapelkistys FFC Cambridge –menetelmällä," *Eroon metallien valmistuksen CO<sub>2</sub>-päästöistä!*, POHTO, Vantaa, Finland, April 27, 2022 —"
49. V.-V. Visuri, "Converter processes in steelmaking," *Teaching demonstration for the position of an Associate Professor*, University of Oulu, Online, April 19, 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, February 22, 2022 —”
47. V.-V. Visuri, “Kuonanhallinta teräksenvalmistuksen edellytyksenä,” *Epäpuhtauksien hallinta pyrometallurgisissa prosesseissa*, POHTO, Raahе, Finland, November 2, 2021 2021  
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46. V.-V. Visuri, “New approaches for modeling and control of hot metal desulfurization,” *SYMMET Result Webinar*, webinar, November 26, 2020 2020
45. V.-V. Visuri, “Kromiitin CO<sub>2</sub>-vapaa pelkistys,” *Tekniikan torstai: hiilineutraalisuus, feat. teräs & biotalous*, University of Oulu, Oulu, Finland, October 1, 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, August 3, 2020 —”
42. V.-V. Visuri, “Modelling of stainless steelmaking. Part 1: Meltshop,” *Lecture*, Outokumpu Stainless Oy, Tornio, Finland, August 12, 2020 —”
41. V.-V. Visuri, “Teräksenvalmistuksen primääri- ja sekundäärimetallurgian mallinnus,” *Public teaching demonstration for a docentship*, University of Oulu, Oulu, Finland, February 24, 2020 —”  
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40. V.-V. Visuri, “Studies on hot metal desulphurisation,” *SYMMET Research Seminar*, University of Oulu, Oulu, Finland, February 13, 2020 —”
39. T. Vuolio and V.-V. Visuri, “Digitalisaatio metallurgiassa,” *477420S Metallien valmistus nyt ja tulevaisuudessa*, University of Oulu, Oulu, Finland, November 18, 2019 2019
38. V.-V. Visuri, “Modellierung von Roheisenentschwefelung,” *Seminar presentation*, Department for Industrial Furnaces and Heat Engineering, RWTH Aachen University, Aachen, Germany, November 11, 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, October 18, 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, June 14, 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, May 13, 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, January 11, 2019 —”

33. V.-V. Visuri, “Pyrometallurgisten prosessien mallinnus,” *Mallinnus ja simulointi teräksen tuotantoprosesseissa*, POHTO, Oulu, Finland, November 20, 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, October 23, 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, February 21, 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, February 15, 2018 —”
29. V.-V. Visuri, “Digitalisaation mahdollisuudet teräksenvalmistuksessa: Teollisuus 4.0 –ajattelu sulatolla,” *Guest lecture*, SSAB Europe Oy, Raahe, Finland, February 9, 2018 —”
28. V.-V. Visuri, “Digitalisaation mahdollisuudet teräksenvalmistuksessa: Teollisuus 4.0 –ajattelu sulatolla,” *Tekniikan torstai: teräs*, University of Oulu, Oulu, Finland, January 18, 2018 —”
27. V.-V. Visuri, “Possibilities of converter process modelling,” *DIMECC 10th Annual Seminar*, DIMECC Oy, Turku, Finland, October 30, 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
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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, April 19, 2016 —”
24. V.-V. Visuri, “Experiences from research exchange at RWTH Aachen University,” *Terästekniskimuskuskeskuksen tutkijaseminaari*, University of Oulu, Oulu, Finland, June 8, 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, October 23, 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, October 15, 2014 —”
21. V.-V. Visuri, “Modelling of reactions during top-blowing in the AOD process,” *FIMECC SIMP PhD student seminar*, FIMECC Oy, Tornio, Finland, August 20, 2014 —”
20. T. Fabritius, V.-V. Visuri, and P. Kupari, “Konvertteriprosessin kehitystyö ruostumattomien terästen valmistuksessa,” *Prosessipraktiikat – Ongelmat ja onnistumiset teräksen valmistuksessa*, POHTO, Oulu, Finland, May 7, 2014 —”

19. V.-V. Visuri, "Modellierung von Reaktionen während des Aufblasens durch die Sauerstofflanze im AOD-Verfahren," *Guest lecture*, SMS Siemag AG, Düsseldorf, Germany, March 27, 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, November 20, 2013 2013
17. V.-V. Visuri, "Advanced methods in modelling of metallurgical unit operations," *Research seminar of CASR*, University of Oulu, Oulu, Finland, June 3, 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, December 12, 2012 2012
15. V.-V. Visuri, "Phenomena-based modeling of AOD process," *AOD Seminar*, Jernkontoret, Stockholm, Sweden, March 13, 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, February 3, 2012 —"
13. V.-V. Visuri, "Konvertteriprosessien ilmiöpohjainen mallinnus," *Terästutkimuskeskuksen tutkijaseminaari*, University of Oulu, Oulu, Finland, November 24, 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, June 7, 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 koiraa," *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 vehnäoluet," *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 —"