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Summary

Publications and presentations		
Publications		
A – Peer-reviewed scientific articles	86	
A1 – Peer-reviewed original articles in scientific journals (59)		
A2 – Peer-reviewed review articles in scientific journals (2)		
A3 – Peer-reviewed book section or chapter (1)		
A4 – Peer-reviewed articles in conference proceedings (24)		
B – Non-peer-reviewed scientific articles	32	
B1 – Writing in scientific journal (2)		
B2 – Non-peer-reviewed book sections (4)		
B3 – Non-peer-reviewed articles in conference proceedings (26)		
C – Peer-reviewed scientific books	7	
C1 – Books (4)		
C2 – Edited book, conference proceedings or special issue of a journal (3)		
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	17	
Extended abstracts in conference and seminar proceedings (11)		
Abstracts in conference and seminar proceedings (6)		
Total		199
Presentations		
Poster presentations	10	
Presentations and invited talks	82	
Total		92
Miscellaneous publications		11
Grand total		302

Publications (199)

The corresponding author is marked with an asterisk (*).

A – Peer-reviewed scientific articles (86)

A1 – Peer-reviewed original articles in scientific journals (59)

302. M. Pylvänäinen*, J. Nissilä, V.-V. Visuri, A. Sorsa, M. Hauru, J. Laurila, and T. Liedes, "Bath Vibration During Open Eye Formation in a Physical Model of a Steelmaking Ladle," *Steel Research International*, vol. XXX, no. YYY, forthcoming — FORTHCOMING
URL: https://doi.org/10.1002/srin.202500847

301. A. Agnihotri*, P. Sulasalmi, P. Cavaliere, and V.-V. Visuri, "Modelling the Thermal Properties of H-DRI Using Computational Thermodynamics and Machine Learning," *Steel Research International*, vol. XXX, no. YYY, forthcoming — —"—
URL: https://doi.org/10.1002/srin.202501094

300. J. Norrena*, S. Louhenkilpi, V.-V. Visuri, T. Alatarvas, A. Bogdanoff, and T. Fabritius, "Phenomenological Prediction of Defect Formation in Continuous Casting of Steel Utilizing Fundamental Modeling and Machine Learning," *Steel Research International*, vol. XXX, no. YYY, forthcoming — —"—
URL: https://doi.org/10.1002/srin.202500645

299. 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, forthcoming. 2500248 — —"—
URL: https://doi.org/10.1002/srin.202500248

298. I. Mäkelä*, M. Aula, and V.-V. Visuri, "A Mathematical Model for Metal-Slag Reactions in the Electric Arc Furnace in Stainless Steelmaking," *Metallurgical and Materials Transactions B*, vol. 57, no. 2, pp. 1237–1258, 2026 — 2026
URL: https://doi.org/10.1007/s11663-025-03895-z

297. H.-R. Putaala*, 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. 56, no. 4, pp. 3381–3399, 2025 — 2025
URL: https://doi.org/10.1007/s11663-025-03552-5

296. R. Kallio*, M. Cantaluppi, J. Louhisalmi, and V.-V. Visuri, "Mineralogical characteristics of fossil-free steel slags," *Minerals Engineering*, vol. 230, 2025. 109396 — —"—
URL: https://doi.org/10.1016/j.mineng.2025.109396

295. 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 — —"—
URL: https://doi.org/10.1016/j.jaecs.2025.100329

294. A. Piippo*, K. Ruotanen, 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
URL: https://doi.org/10.3390/ma17215308

293. 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 —"—
URL: https://doi.org/10.1002/srin.202300393

292. 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 —"—
URL: https://doi.org/10.1002/srin.202300529

291. T. Vuolio*, V.-V. Visuri, H. Tähtilä, P. Pekuri, and T. Fabritius, "The Synergistic Effect of Na_2O on Hot Metal Desulfurization Kinetics in CaO–Na_2O–SiO_2–Al_2O_3–MgO Slag System," *Chemical Engineering Science*, vol. 284, 2024. 119525 —"—
URL: https://doi.org/10.1016/j.ces.2023.119525

290. 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 2023
URL: https://doi.org/10.1007/s11663-023-02859-5

289. 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 —"—
URL: https://doi.org/10.1080/10426914.2023.2195916

288. 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 —"—
URL: https://doi.org/10.1002/srin.202300072
Top Viewed Article 2023 | Steel Research International

287. 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 —"—
URL: https://doi.org/10.1080/03019233.2023.2201544

286. 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 —"—
URL: https://doi.org/10.1007/s11663-023-02808-2

285. 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 —"—
URL: https://doi.org/10.1002/srin.202200746

284. 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 2022
URL: https://doi.org/10.1007/s11663-022-02588-1

283. 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 —"—
URL: https://doi.org/10.1002/srin.202200120
Top Downloaded Article 2022 | Steel Research International

282. 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 —"—
URL: https://doi.org/10.1007/s11663-022-02531-4

281. 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 —"—
URL: https://doi.org/10.1016/j.commatsci.2022.111413

280. 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 2021
URL: https://doi.org/10.3390/met11101587

279. 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 —"—
URL: https://doi.org/10.1007/s11663-021-02148-z

278. 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 —"—
URL: https://doi.org/10.1080/03019233.2020.1758994

277. 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 —"—
URL: https://doi.org/10.24425/amm.2021.134787

276. 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
URL: https://doi.org/10.24425/amm.2021.134786

275. 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
URL: https://doi.org/10.1007/s11663-020-01973-y

274. 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
URL: https://doi.org/10.1007/s11663-020-01955-0

273. 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
URL: https://doi.org/10.1002/srin.202000054

272. 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
URL: https://doi.org/10.1016/j.asoc.2020.106330

271. 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
URL: https://doi.org/10.1002/srin.201900587

270. 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
URL: https://doi.org/10.24425/amm.2020.132840

269. 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
URL: https://doi.org/10.3390/pr7110852

268. 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
URL: https://doi.org/10.1007/s42243-019-00241-x

267. 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
URL: https://doi.org/10.24425/amm.2019.130087

—"— 2020 —"— —"— —"— —"— 2019 —"— —"—

266. 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 —"—
URL: https://doi.org/10.24425/amm.2019.130086

265. 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 —"—
URL: 10.3390/met9101048

264. 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 —"—
URL: https://doi.org/10.1002/srin.201900177

263. 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 —"—
URL: https://doi.org/10.3390/met9080829

262. 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 —"—
URL: https://doi.org/10.1002/srin.201900088

261. 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 —"—
URL: https://doi.org/10.1002/srin.201900090

260. T. Vuolio*, V.-V. Visuri, T. Paananen, and T. Fabritius, "Identification of Rate, Extent and Mechanisms of Hot Metal Resulfurization with $CaO–SiO_2–Na_2O$ Slag Systems," *Metallurgical and Materials Transactions B*, vol. 50, no. 4, pp. 1791–1807, 2019 —"—
URL: https://doi.org/10.1007/s11663-019-01600-5

259. 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 —"—
URL: https://doi.org/10.24425/amm.2019.127559

258. 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 —"—
URL: https://doi.org/10.1002/srin.201800365
SELECTED TO "BEST OF STEEL RESEARCH INTERNATIONAL – 2020 EDITION"
AMONG THE 10 MOST ACCESSED ARTICLES OF STEEL RESEARCH INTERNATIONAL IN 2020

257. 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 2018
URL: https://doi.org/10.11159/ffhmt18.148

256. 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
URL: https://doi.org/10.1002/srin.201800141

255. 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
URL: https://doi.org/10.1007/s11663-018-1318-4

254. 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
URL: https://doi.org/10.1007/s11663-017-1074-x

253. 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
URL: https://doi.org/10.1007/s11663-017-0961-5

252. 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
URL: https://doi.org/10.1007/s11663-017-0960-6

251. 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
URL: https://doi.org/10.1007/s11663-016-0769-8

250. 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
URL: https://doi.org/10.2355/isijinternational.ISIJINT-2016-241

249. 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
URL: https://doi.org/10.1016/j.mineng.2015.11.011

248. 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
URL: https://doi.org/10.1002/srin.201400026

247. 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 — 2014
URL: https://doi.org/10.2355/isijinternational.54.2263

246. 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 — 2013
URL: https://doi.org/10.2355/isijinternational.53.613

245. 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 — —"—
URL: https://doi.org/10.2355/isijinternational.53.603

244. 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 — 2012
URL: https://doi.org/10.2355/isijinternational.52.1257

A2 – Peer-reviewed review articles in scientific journals (2)

243. 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 — 2021
URL: https://doi.org/10.1002/srin.202000395
Top Cited Article 2021–2022 | Steel Research International
Top Cited Article 2020–2021 | Steel Research International

242. 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 — 2020
URL: https://doi.org/10.1002/srin.201900454
Top Cited Article 2020–2021 | Steel Research International
One of the 10 most accessed articles of Steel Research International in 2020

A3 – Peer-reviewed book section or chapter (1)

241. 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 — 2024
URL: https://doi.org/10.1016/B978-0-323-85373-6.00008-9

A4 – Peer-reviewed articles in conference proceedings (24)

240. A. Agnihotri*, P. Sulasalmi, and V.-V. Visuri, "Radiative Heat Transfer and Pellet Melt/bathing in a Lab-Scale EAF Simulator with HDRI: Axisymmetric Enclosure Modeling and Arc Emission Analysis," *Proceedings of the Fifth International Conference on the Science and Technology of Ironmaking and Steelmaking* (G. S. Gupta, A. Dash, S. Subramanian, and M. P. L. Rao, eds.), Indian Institute of Science, Bengaluru, India, pp. 348–353, 2025 — 2025

239. 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," *Journal of Physics: Conference Series*, vol. 1050, 2025. 012009
URL: https://doi.org/10.1088/1742-6596/3050/1/012009 — —"—

238. A. Agnihotri*, P. Sulasalmi, and V.-V. Visuri, "Modeling the thermal properties of H-DRI during melting in an electric arc furnace," *Journal of Physics: Conference Series*, vol. 1050, 2025. 012008
URL: https://doi.org/10.1088/1742-6596/3050/1/012008 — —"—

237. A. Javed*, I. Mäkelä, H. Pauna, H.-R. Putaala, U. Manzoor, D. Klapproth, I. R. Souza Filho, and V.-V. Visuri, "Kinetic Modeling of Hematite Reduction by Hydrogen Plasma Smelting Reduction in Laboratory-Scale," *Journal of Physics: Conference Series*, vol. 1050, 2025. 012007
URL: https://doi.org/10.1088/1742-6596/3050/1/012007 — —"—

236. E.-P. Heikkinen*, P. Sulasalmi, V.-V. Visuri, S. Ollila, and J. Lilja, "Mass and energy based modelling of EAF steelmaking scenarios using scrap and hydrogen reduced DRI as raw materials," *Journal of Physics: Conference Series*, vol. 1050, 2025. 012006
URL: https://doi.org/10.1088/1742-6596/3050/1/012006 — —"—

235. 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
URL: https://doi.org/10.1088/1757-899X/1309/1/012005 — 2024

234. 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. 1039, 2024. 012010
URL: https://doi.org/10.1088/1757-899X/1309/1/012010 — —"—

233. 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. 1039, 2024. 012001
URL: https://doi.org/10.1088/1757-899X/1309/1/012001 — —"—

232. 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
URL: https://doi.org/10.1007/978-981-99-1988-8_3 — 2023

231. 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
URL: https://tinyurl.com/699mwtys

230. 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
URL: https://oulurepo.oulu.fi/handle/10024/56798

229. 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 — —"—
URL: https://urn.fi/URN:NBN:fi-fe2021100850495
PRESENTING AUTHOR

228. 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 — —"—
URL: https://tinyurl.com/bdhx37aw
PRESENTING AUTHOR, KEYNOTE PRESENTATION

227. 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 — —"—
URL: https://doi.org/10.2139/ssrn.3926625

226. 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 — —"—
URL: https://doi.org/10.2139/ssrn.3926630
PRESENTING AUTHOR

225. 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 —"—
URL: https://doi.org/10.2139/ssrn.3926727
PRESENTING AUTHOR

224. 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 2019
URL: https://doi.org/10.1088/1757-899X/529/1/012051
PRESENTING AUTHOR

223. 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 —"—
URL: https://doi.org/10.1088/1757-899X/529/1/012063
PRESENTING AUTHOR

222. 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
URL: https://tinyurl.com/bdfdeyb9

221. 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 —"—
URL: https://doi.org/10.11159/ffhmt18.148

220. 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
URL: https://urn.fi/URN:NBN:fi-fe2019082225151

219. 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 2016
URL: https://doi.org/10.1007/978-3-319-48769-4_106

218. 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 — 2013
URL: https://doi.org/10.4028/www.scientific.net/MSF.762.242

217. M. Järvinen*, V.-V. Visuri, S. Pisilä, 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 — —"—
URL: https://doi.org/10.4028/www.scientific.net/MSF.762.236

B – Non-peer-reviewed scientific articles (32)

B1 – Writing in scientific journal (2)

216. V.-V. Visuri* and T. Echterhof, "Electric Arc Furnace Steelmaking," *Metals*, vol. 15, no. 12, 2025. 1285 — 2025
URL: https://doi.org/10.3390/met15121285
Editorial for the special issue "Electric Arc Furnace Steelmaking"

215. T. Echterhof, K. Ohno, and V.-V. Visuri*, "Modeling and Simulation of Metallurgical Processes in Steelmaking," *Metals*, vol. 12, no. 7, 2022. 1185 — 2022
URL: 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)

214. 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 — 2015
Presenting author

213. 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 — 2014
Presenting author

212. 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 — 2013
Presenting author
Best Annual Report Award, Graduate School in Chemical Engineering

211. 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 — 2012
Presenting author

B3 – Non-peer-reviewed articles in conference proceedings (26)

210. N. Majoudi*, T. Alatarvas, and V.-V. Visuri, "Prediction of Liquidus and Solidus Temperatures and Solidification Paths in Duplex Stainless Steels," *Proceedings of the 11th International Conference on Modelling and Simulation of Metallurgical Processes in Steelmaking*, Czech Metallurgical Society, Třinec, Czech Republic, 2025 — 2025

209. 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 — 2024
URL: https://tinyurl.com/mmf79yh9

208. J. Ruokamo*, T. Alatarvas, V.-V. Visuri, Q. Shu, and E. Piipponen, "On the Laboratory-scale Assessment of Mould Powders for High-speed Casting," *Proceedings of the 11th European Continuous Casting Conference*, Steel Institute VDEh, Essen, Germany, 2024 — —"—
URL: https://tinyurl.com/ycs8adxj

207. Q. Shu*, V.-V. Visuri, T. Alatarvas, J. Ruokamo, P. Sulasalmi, and T. Fabritius, "Calculation of nonbridging oxygen per tetrahedron (NBO/T) of mould fluxes from 29Si nuclear magnetic resonance and its application in property estimation," *Proceedings of the 11th European Continuous Casting Conference*, Steel Institute VDEh, Essen, Germany, 2024 — —"—
URL: https://tinyurl.com/yeynjn7v

206. 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 — —"—
URL: https://doi.org/10.1088/1757-899X/1309/1/011001

205. M. Jokinen*, H. Pauna, O. Seppälä, T. Fabritius, T. Alatarvas, V.-V. Visuri, and M. Mirzaei, "Leveraging Optical Emission Spectroscopy (OES) for enhanced process control in Electric Arc Furnace (EAF) steelmaking," *Proceedings of the 13th European Electric Steelmaking Conference*, Steel Institute VDEh, Essen, Germany, 2024 — —"—
URL: https://tinyurl.com/kpsfrmkk

204. 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 — 2023
URL: https://tinyurl.com/568x22bp

203. 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 — —"—
URL: https://tinyurl.com/3emwsrb5

202. 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 — 2021
URL: https://oulurepo.oulu.fi/handle/10024/56853

201. 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
URL: https://oulurepo.oulu.fi/handle/10024/56852

200. 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
URL: https://oulurepo.oulu.fi/handle/10024/56816

199. 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
URL: https://tinyurl.com/69tk2yh9

198. 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
URL: https://tinyurl.com/5f6p3m7w

197. 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
URL: https://tinyurl.com/fybbz234
PRESENTING AUTHOR

196. 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
URL: https://tinyurl.com/2h755wbz

195. 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
URL: https://oulurepo.oulu.fi/handle/10024/56851
PRESENTING AUTHOR

194. 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
URL: https://oulurepo.oulu.fi/handle/10024/56849
PRESENTING AUTHOR

193. 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 — 2017
URL: https://tinyurl.com/7rrhj2kw
PRESENTING AUTHOR

192. E.-P. Heikkinen*, V.-V. Visuri, H. Suopajärvi, 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 — —"—
URL: https://tinyurl.com/5fjna9w8

191. 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 — 2016
URL: https://tinyurl.com/4bn75bsd
PRESENTING AUTHOR

190. 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 — —"—
URL: https://tinyurl.com/p3mv83mv
PRESENTING AUTHOR

189. 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 — 2014
URL: https://tinyurl.com/yc5kxfb6
PRESENTING AUTHOR

188. 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 — 2012
URL: https://tinyurl.com/4bjvyjtb
PRESENTING AUTHOR

187. 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 — —"—
URL: https://tinyurl.com/yksdv96j

186. E.-P. Heikkinen*, T. Ikäheimonen, O. Mattila, T. Fabritius, and V.-V. Visuri, "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 — 2011
URL: https://tinyurl.com/34442n59

185. 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 — —"—
URL: https://tinyurl.com/55trj8f4
PRESENTING AUTHOR

C – Peer-reviewed scientific books (7)

C1 – Book (4)

184. 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. — 2024
URL: https://urn.fi/URN:NBN:fi:oulu-202412037033

183. 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. — 2021
URL: http://urn.fi/urn:isbn:9789526229300

182. 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. — 2020
URL: http://urn.fi/urn:isbn:9789526227092

181. 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. — 2019
URL: http://urn.fi/urn:isbn:9789526222516

C2 – Edited book, conference proceedings or special issue of a journal (3)

180. T. Echterhof and V.-V. Visuri*, eds., *Electric Arc Furnace Steelmaking*. Special issue, Basel, Switzerland: MDPI, 2025. 161 pp. ISBN 978-3-7258-6230-6. — 2025
URL: https://doi.org/10.3390/books978-3-7258-6231-3

179. 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 — 2024

178. 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. URL: https://doi.org/10.3390/books978-3-0365-5154-8 2022

D – Publications intended for professional communities (43)

D1 – Articles in trade journals (20)

177. P. Karjalainen*, J. Kömi, V.-V. Visuri, T. Fabritius, J. Larkiola, and D. Porter, "In memoriam. Veikko Heikkinen 1944 – 2024. Terästeknologian kehityksen organisoija ja kuvaaja," *Materia*, vol. 83, no. 2, pp. 75–76, 2025 2025

176. E.-P. Heikkinen* and V.-V. Visuri*, "POHTO-koulutuksien klassikko elää ajassa: kuonat prosessimetallurgiassa 2025," *Materia*, vol. 83, no. 2, p. 72, 2025 —"—

175. V.-V. Visuri*, "Tervehdys lukijoille!," *Materia*, vol. 82, no. 5, p. 58, 2024 2024
URL: https://urn.fi/URN:NBN:fi:oulu-202501271358

174. V.-V. Visuri* and S. Airaksinen, "Vetysiirtymä ja ruostumattoman teräksen hilsettyminen hehkutus- ja aihionkuumennusprosesseissa," *Materia*, vol. 82, no. 5, pp. 54–55, 2024 —"—
URL: https://urn.fi/URN:NBN:fi:oulu-202501271355

173. V.-V. Visuri*, "Uutisia Oulun yliopistolta," *Materia*, vol. 82, no. 5, p. 48, 2024 —"—
URL: https://urn.fi/URN:NBN:fi:oulu-202501271356

172. V.-V. Visuri*, I. Vaajamo, M. Marjakoski, S. Rannantie, and V. Ikäheimo, "Metallurgijaoston syysseminaari 2023," *Materia*, vol. 81, no. 5, pp. 65–67, 2023 2023

171. J. Fredriksson and V.-V. Visuri*, "Metallurgijaoston teekkari-info LUT-yliopistolla," *Materia*, vol. 81, no. 4, p. 75, 2023 —"—
URL: https://urn.fi/URN:NBN:fi:oulu-202403042091

170. V. Ikäheimo*, M. Marjakoski, I. Vaajamo, and V.-V. Visuri, "Metallurgijaoston kevätseminaari 2023," *Materia*, vol. 81, no. 3, pp. 71–72, 2023 —"—
URL: https://urn.fi/URN:NBN:fi-fe2023073192374

169. 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

168. V.-V. Visuri*, "Digitalisaatio ruostumattoman teräksen valmistuksessa," *Materia*, vol. 80, no. 2, pp. 34–35, 2022 —"—

167. J. Jansson and V.-V. Visuri*, "Metallurgijaoston syysseminaari 2021," *Materia*, vol. 80, no. 1, pp. 75–77, 2022 —"—

166. 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 —"—

165. V.-V. Visuri*, T. Vuolio, and T. Fabritius, "Datavetoisia menetelmiä raakaraudan rikinpoiston mallinnukseen," *Materia*, vol. 79, no. 5, p. 43, 2021 2021

164. V.-V. Visuri* and T. Fabritius, "Senkkahuuhtelun mallinnuksella tarkkuutta teräksen seostukseen," *Materia*, vol. 78, no. 3, pp. 21–22, 2020 2020

163. 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

162. 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 — —"—

161. 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 — —"—
URL: https://urn.fi/URN:NBN:fi-fe2019112844621

160. V.-V. Visuri*, T. Fabritius, and I. Baarman, "SYMMET – Symbiosis of Metals Production and Nature," *Materia*, vol. 76, no. 4, p. 87, 2018 — 2018

159. V.-V. Visuri* and A. Bogdanoff, "FLEX WP3 – Adaptive Refining Metallurgy – Joustava metallien jalostus," *Materia*, vol. 76, no. 1, pp. 74–75, 2018 — —"—

158. 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)

157. 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
URL: https://urn.fi/URN:NBN:fi:oulu-202401101180

156. V.-V. Visuri*, "Dokumentation und Einsatzbereitschaft der Prozessmodelle für die LBO- und VAOD-Verfahren," Sachverständigengutachten, voestalpine BÖHLER Edelstahl GmbH & Co KG, 2023 — 2023

155. V.-V. Visuri*, "Confidential," R&D report 2022_0054, Outokumpu, Research and Development, 2022 — 2022

154. V.-V. Visuri*, "Confidential," R&D report 2022_0047, Outokumpu, Research and Development, 2022 — —"—

153. S. Heppner*, T. Manninen, V.-V. Visuri, and T. Saatio, "Confidential," R&D report 2022_0030, Outokumpu, Research and Development, 2022 — —"—

152. 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 — —"—

151. 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 — —"—

150. E. Puukko*, J. Kunelius, A. Björk, N. Hyttinen, and V.-V. Visuri, "Confidential," R&D report 2022_0004, Outokumpu, Research and Development, 2022 — —"—

149. N. Hyttinen*, V.-V. Visuri, E. Puukko, P. Kupari, J. Kunelius, J. Paso, and J. Ylipekkala, "Confidential," R&D report 2021_0161, Outokumpu, Research and Development, 2021 — 2021

148. V.-V. Visuri*, "Confidential," R&D report 2021_0098, Outokumpu, Research and Development, 2021 — —"—

147. V.-V. Visuri*, "Confidential," R&D report 2021_0012, Outokumpu, Research and Development, 2021 —"—

146. 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

145. V.-V. Visuri*, "Confidential," R&D report 2020_0157, Outokumpu, Research and Development, 2020 —"—

144. S. Louhenkilpi, A. Jokilaakso, J. Laine, R. Vesanen, P. Kupari, J. Moilanen, M. Petäjäjärvi, A. Bogdanoff, S. Ollila, I. Rentola, T. Antola, T. Alatarvas, T. Fabritius, T. Liedes, M. Pylvänäinen, S. Tamminen, V.-V. Visuri*, and A.-M. Wartiainen, "Adaptive Refining Metallurgy," *FLEX – Flexible and Adaptive Operations in Metal Production*, DIMECC Final Report 1/2018, Tampere, Finland: DIMECC Oy, 2018 2018

143. 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 —"—

142. M. Saqlain*, M. Owais, M. Järvinen, V.-V. Visuri, and T. Fabritius, "Dephosphorization in ironmaking and oxygen steelmaking," Espoo, Finland: Aalto University, 2018 —"—

141. 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

140. A. Bogdanoff, S. Ollila, S. Kaukonen, J. Savolainen, K. Välimaa, A. Kruskopf, S. Louhenkilpi, T. Alatarvas, M. Aula, A. Kärnä, T. Liedes, M. Pylvänäinen, P. Sulasalmi, S. Tamminen, H. Tervo, V.-V. Visuri*, and A.-M. Wartiainen, "Dynamic Multiphysics Modeling for Steel Production," *SIMP – System Integrated Metals Processing*, DIMECC Final Report 4/2017, pp. 55–91, Tampere, Finland: DIMECC Oy, 2017 —"—

139. 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

138. 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 —"—

137. 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

136. 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

135. 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 (9)

E1 – Popularised article, newspaper article (9)

134. V.-V. Visuri*, "ESTIEM testimonial," forthcoming — forthcoming

133. V.-V. Visuri*, "Visuri Ville-Valtteri," *Suomen professorit – Finlands professorer – Professors of Finland 1640 – 2024*, p. 1010, Helsinki, Finland: Professoriliitto, 2024 — 2024

132. V.-V. Visuri*, "Puhe kunniatohtoreille," *DOCTORVM PROMOTIONES QVAS FACVLTATES VNIVERSITATIS OVLVENSIS INSTITVENT – Oulun yliopiston yhdestoista tohtoripromootio toukokuun 28. päivänä 2022 – Juhlakirja* (N. Timosaari-Hyry and S. Rahikkala, eds.), pp. 90–91, Oulu, Finland: University of Oulu, 2023
URL: https://urn.fi/URN:NBN:fi:oulu-202405233881 — 2023

131. V.-V. Visuri*, "Minustako prosessitekniikan tohtori?," *Porle*, no. 2, pp. 10–12, 2023
URL: https://urn.fi/URN:NBN:fi:oulu-202405133369 — —"—

130. V.-V. Visuri*, "Visuri, Ville-Valtteri," *DOCTORVM PROMOTIONES QVAS FACVLTATES VNIVERSITATIS OVLVENSIS INSTITVENT – Oulun yliopiston yhdestoista tohtoripromootio toukokuun 28. päivänä 2022 – Matrikkeli* (N. Timosaari-Hyry, ed.), p. 47, Oulu, Finland: University of Oulu, 2022 — 2022

129. V.-V. Visuri*, "Korona-aikana yritykset voivat antaa potkua tutkijanuralle," *Science with Arctic Attitude Blog (University of Oulu)*, 16 March 2021. Blog post — 2021

128. V.-V. Visuri*, "Riitit vievät meitä elämässä eteenpäin – siksi juhlia kannattaa aina, kun sille on aihetta," *Oulun ylioppilaslehti*, 30 April 2020. Column — 2020

127. V.-V. Visuri*, "Terästutkimusta Aachenissa," *Tutkijat maailmalle -blogi*, 1 November 2019. Blog post — 2019

126. V.-V. Visuri*, "Visuri Ville-Valtteri," *Tekniikan akateemiset ja arkkitehdit 2011 – Teknikens akademiker och arkitekter 2011*, vol. 2: M–Ö, Helsinki, Finland: Tekniikan akateemisten liitto TEK, 2012 — 2012

G – Theses (3)

125. 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. — 2017
URL: http://urn.fi/urn:isbn:9789526216713
Grade: pass with distinction (highest)

124. V.-V. Visuri*, *Kuonanmuodostuksen termodynamiikka AOD-prosessimallissa.* Master's thesis, University of Oulu, Oulu, Finland, 2011. 160 pp. 2011
URL: https://tinyurl.com/mryyuh9w
GRADE: EXCELLENT (HIGHEST)

123. V.-V. Visuri*, *Laatukustannukset: mallit ja mittaaminen.* Bachelor's thesis, University of Oulu, Oulu, Finland, 2008. 31 pp. 2008
GRADE: PASS (NO GRADING)

H – Patents and invention disclosures (2)

H2 – Invention disclosures (2)

122. V.-V. Visuri*, "Confidential," invention disclosure, Outokumpu Stainless Oy, 2021 2021

121. V.-V. Visuri* and P. Kupari, "Confidential," invention disclosure, Outokumpu Stainless Oy, 2020 2020

Other technical and scientific publications (17)

Extended abstracts in conference and seminar proceedings (11)

120. A. Piippo*, N. Poutiainen, K. Routanen, E.-P. Heikkinen, and V.-V. Visuri, "Effect of MgO and Cr_2O_3 additions on the interactions between alumina-based refractories and steel ladle slags," *Unified International Technical Conference on Refractories (UNITECR) – 19th Biennial Worldwide Congress on Refractories*, Cancun, Mexico, 2025 2025

119. 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, 2023 2023

118. 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 —"—
URL: https://tinyurl.com/322tnf5n

117. 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 —"—
URL: https://tinyurl.com/3xef8byk

116. 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 —"—
URL: https://tinyurl.com/cdudycr9

115. 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 —"—
URL: https://urn.fi/URN:NBN:fi:oulu-202402292054

114. 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 —"—
URL: https://urn.fi/URN:NBN:fi:oulu-202402292050

113. 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
URL: https://tinyurl.com/4c8wvmkk
PRESENTING AUTHOR

112. 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 —"—
URL: https://tinyurl.com/4bdba9b9
PRESENTING AUTHOR

111. 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 —"—
URL: https://tinyurl.com/mr4543zj
PRESENTING AUTHOR

110. T. Fabritius*, E.-P. Heikkinen, Q. Shu, and V.-V. Visuri, "Key properties of slag in different stages of its life cycle – examples 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 —"—
URL: https://tinyurl.com/yt3bh6xh

Abstracts in conference and seminar proceedings (6)

109. V.-V. Visuri*, T. Vuolio, I. Lappeteläinen, E.-M. Sassi, and M. Zarl, "Considerations for Efficient Slag Practices in HPSR Steelmaking," *Proceedings of the 13th European Slag Conference*, Reed & Mackay, Luleå, Sweden, forthcoming — forthcoming

108. R. Kallio*, M. Jaskari, E.-P. Heikkinen, A. Merenluoto, V.-V. Visuri, and J. Louhisalmi, "FESEM-EBSD as a tool for slag characterization," *Proceedings of the 13th European Slag Conference*, Reed & Mackay, Luleå, Sweden, forthcoming — —"—

107. Q. Shu*, V.-V. Visuri, T. Alatarvas, P. Sulasalmi, and T. Fabritius, "Modelling the properties of mold fluxes using machine learning model informed by physical/metallurgical knowledge," *Proceedings of the 9th International Congress on the Science and Technology of Steelmaking*, Korean Federation of Science & Technology Societies, Seoul, South Korea, 2025 — 2025

106. H.-R. Putaala*, H. Pauna, D. Ernst, V.-V. Visuri, and T. Fabritius, "Effect of Dust on Optical Emission Spectra of Hydrogen Plasma Reduction," *Proceedings of the 9th International Congress on the Science and Technology of Steelmaking*, Korean Federation of Science & Technology Societies, Seoul, South Korea, 2025 — —"—

105. 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
Presenting author

104. 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

Presentations (92)

Poster presentations (10)

103. A. Javed, I. Mäkelä, H.-R. Putaala, H. Pauna, and V.-V. Visuri, "Thermodynamic–Kinetic Modeling of Hydrogen Plasma Smelting Reduction of Hematite," *Hydrogen Research Day 2026*, University of Oulu, Oulu, Finland, 10 February 2024 — forthcoming

102. H.-R. Putaala, H. Pauna, V.-V. Visuri, and T. Fabritius, "Optical Emission Spectroscopy in Hydrogen Plasma Smelting Reduction Experiments," *Hydrogen Research Day 2026*, University of Oulu, Oulu, Finland, 10 February 2024 — —"—

101. M. Aula, H. Pauna, T. Kokkonen, and V.-V. Visuri, "Laboratory-scale EAF," *Advanced Steels for a Green Planet (AS4G) Seminar*, University of Oulu, Oulu, Finland, 16 October 2024 — 2024

100. I. Mäkelä, V.-V. Visuri, and M. Aula, "Mathematical Electric Arc Furnace Process Modelling: Metal-Slag Reactions," *Advanced Steels for a Green Planet (AS4G) Seminar*, University of Oulu, Oulu, Finland, 16 October 2024 —"—

99. V.-V. Visuri and E.-P. Heikkinen, "Tulevaisuuden malmipohjainen teräksenvalmistus," *Tutkijoiden yö*, University of Oulu, Oulu, Finland, 27 September 2024 —"—

98. V.-V. Visuri and P. Sulasalmi, "Hot metal desulphurisation simulator," *DIMECC 9th Annual Seminar*, DIMECC Oy, Helsinki, Finland, 14 November 2016 2016

97. V.-V. Visuri, P. Sulasalmi, and A. Kärnä, "Simulators for the AOD and CAS-OB processes," *DIMECC 9th Annual Seminar*, DIMECC Oy, Helsinki, Finland, 14 November 2016 —"—

96. 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 —"—

95. A. Kärnä, V.-V. Visuri, P. Sulasalmi, M. Järvinen, and T. Fabritius, "Mathematical Modelling of Converter and Ladle Processes," *FIMECC SIMP 1st Annual Seminar*, FIMECC Oy, Oulu, Finland, 19 November 2015 2015

94. 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, 14 May 2014 2014

Seminar presentations and invited talks (82)

93. V.-V. Visuri, "CO_2-Lean Steelmaking Routes: A Nordic Perspective," *Guest lecture*, Clausthal University of Technology, virtual, 16 January 2026 2026

92. V.-V. Visuri, "Modelling of EAF and HPSR processes," *Process Metallurgy for Additive Manufacturing Workshop*, University of Oulu, Oulu, Finland, 16 January 2026 —"—

91. V.-V. Visuri, "Kiveksen ruukki," *Matti Aulan 40-vuotisjuhlaseminaari*, Rovaniemi, Finland, 26 October 2025 2025
Best Presentation Award

90. V.-V. Visuri, "Process Metallurgy Professors in Europe – A New Generation," *Executive Board Meeting 157*, Centre for Advanced Steels Research, Oulu, Finland, 25 August 2025 —"—

89. V.-V. Visuri, "Doctoral defence and academic traditions," *Guest lecture*, University of Oulu, Oulu, Finland, 07 August 2025 —"—

88. V.-V. Visuri, "Fundamentals of fossil-free steelmaking," *Guest lecture*, Luleå University of Technology, Luleå, Sweden, 26 June 2025 —"—

87. V.-V. Visuri, "Fundamentals of solidification in IDS software," *IDS Workshop*, University of Oulu, Oulu, Finland, 17 June 2025 —"—

86. V.-V. Visuri, "Fundamentals of fossil-free steelmaking," *Guest lecture*, SSAB Europe Oy, Raahe, Finland, 11 June 2025 —"—

85. V.-V. Visuri, "Fossil-free steelmaking," *Visit by H.E. Mrs. Laura Davies, His Majesty's Ambassador to Finland*, Oulu City Hall, Oulu, Finland, 21 May 2025 —"—

84. V.-V. Visuri, "Vuorimiesyhdistyksen esittely / oma urapolkuni tutkimus- ja kehitystehtävissä," *Teekkari-info Oulun yliopistolla*, Vuorimiesyhdistys – Bergsmannaföreningen r.y., Oulu, Finland, 18 March 2025 —"—

83. V.-V. Visuri, "Terästutkimuksella kohti fossiilivapaata yhteiskuntaa," *Guest lecture*, Ruovesi Upper Secondary School, virtual, 6 March 2025 —"—

82. V.-V. Visuri, "Physical properties of molten slags," *Slags in process metallurgy*, POHTO, Oulu, Finland, 22 January 2025 —"—
PARTICIPANT FEEDBACK: 4.58/5

81. V.-V. Visuri, "Modelling, simulation and monitoring of EAF and HPSR processes," *FINAST–FOSSA Seminar*, University of Oulu, Oulu, Finland, 9 January 2025 —"—

80. V.-V. Visuri, T. Vuolio, T. Alatarvas, and J. Norrena, "Machine learning applications in steel research," *HELIOS Network-Wide Event*, KU Leuven, virtual/Houthalen, Belgium, 25 October 2024 2024

79. V.-V. Visuri, "Fundamentals of fossil-free steelmaking," *Guest lecture*, Ferroman Engineering Oy, virtual, 7 October 2024 —"—

78. V.-V. Visuri, "Malmipohjainen teräksenvalmistus," *Prosessitekniikan vuosikurssi 1964:n kokoontuminen*, University of Oulu, Oulu, Finland, 11 October 2024 —"—

77. V.-V. Visuri, "Teräksenvalmistus nyt ja tulevaisuudessa," *Tutkijoiden yö*, University of Oulu, Oulu, Finland, 27 September 2024 —"—

76. V.-V. Visuri, I. Mäkelä, and A. Agnihotri, "Mathematical modelling of the EAF process," *Outokumpu - University of Oulu modelling day*, University of Oulu, Oulu, Finland, 19 June 2024 —"—

75. V.-V. Visuri, A. Vuokila, and M. Pylvänäinen, "CFD modelling of the AOD process," *Outokumpu - University of Oulu modelling day*, University of Oulu, Oulu, Finland, 19 June 2024 —"—

74. V.-V. Visuri, "Welcoming words and overview of modelling at Process Metallurgy," *Outokumpu - University of Oulu modelling day*, University of Oulu, Oulu, Finland, 19 June 2024 —"—

73. V.-V. Visuri, P. Sulasalmi, S. Azadi, R. Kallio, A. Merenluoto, M. Aula, and I. Mäkelä, "H2IRON – Carbon-free steelmaking by hydrogen use," *Advanced Steels for a Green Planet (AS4G) Seminar*, University of Oulu, Oulu, Finland, 18 June 2024 —"—

72. V.-V. Visuri, "Faculty of Technology – Nordic powerhouse for sustainable resources, materials and processes," *Faculty board hearing for the position of dean*, University of Oulu, Oulu, Finland, 2 May 2024 —"—

71. V.-V. Visuri, "Fossiilivapaan raudan ja teräksen valmistuksen perusteet," *Teräkset ja terässovellukset hiilineutraalissa Suomessa*, POHTO, Oulu, Finland, 17 April 2024 —"—
PARTICIPANT FEEDBACK: 4.6/5

70. V.-V. Visuri, "Konverterprozesse bei der Edelstahlherstellung," *Gastvorlesung*, Montanuniversität Leoben, Leoben, Austria, 1 March 2024 —"—

69. V.-V. Visuri, "LEAF: Towards CO2-lean electric arc furnace steelmaking through fundamental and data-driven mathematical modeling," *H2 Whats up event*, University of Oulu, Oulu, Finland, 2 February 2024
68. I. Mäkelä and V.-V. Visuri, "Smelter route: a new topic for metallurgical research," *SAF/OSBF Symposium*, RWTH Aachen University, Online, 15 December 2023 — 2023
67. 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, 27 November 2023 — "—
66. V.-V. Visuri, "Vuorimiesyhdistys – Bergsmannaföreningen r.y.," *Vuori-ilta 2023*, Vuorimiesyhdistys – Bergsmannaföreningen r.y., Oulu, Finland, 22 November 2023 — "—
65. V.-V. Visuri, P. Sulasalmi, S. Azadi, R. Kallio, R. Dishwar, and I. Mäkelä, "H2IRON – Carbon-free steelmaking by hydrogen use," *Advanced Steels for a Green Planet (AS4G) Seminar*, University of Oulu, Oulu, Finland, 2 November 2023 — "—
64. T. Vuolio, J. Norrena, T. Alatarvas, and V.-V. Visuri, "Machine learning applications in steel research," *Arctic AI Days*, University of Oulu, Oulu, Finland, 1 November 2023 — "—
63. V.-V. Visuri and T. Vuolio, "Narrowing down the sources of process variation in hot metal desulfurization through modeling," *International Process Metallurgy Symposium in honor of Professor Ari Jokilaakso – Metallurgy as a tool for challenges in circular economy*, Aalto University, Espoo, Finland, 1 November 2023 — "—
62. V.-V. Visuri, "Hydrogen reduction – a path to CO_2-free steelmaking," *Hydrogen Research Forum and Summer School for PhD students*, LUT University, Lappeenranta, Finland, 10 August 2023 — "—
61. V.-V. Visuri and I. Mäkelä, "On the differences of modelling scrap- and DRI-based EAF processes," *5th European Academic Symposium on EAF Steelmaking*, University of Oulu, Oulu, Finland, 6 June 2023 — "—
60. V.-V. Visuri, "Welcome to EASES 2023," *5th European Academic Symposium on EAF Steelmaking*, University of Oulu, Oulu, Finland, 6 June 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, 1 June 2023 — "—
58. V.-V. Visuri, "Primary metallurgy, continuous casting and scale formation," *Outokumpu visit to University of Oulu*, University of Oulu, Oulu, Finland, 30 May 2023 — "—
57. V.-V. Visuri, "Towards carbon-neutral metals," *Metallurgijaoston kevätseminaari: uudet teknologiat ja tulevaisuuden tekijät*, Vuorimiesyhdistys – Bergmannaföreningen r.y., Espoo, Finland, 11 May 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, 21 March 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, 17 February 2023 —"—
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 kunniatohtoreille," *Oulun yliopiston 11. tohtoripromootio*, University of Oulu, Oulu, Finland, 28 May 2022 —"—
50. V.-V. Visuri, "Kromiitin suorapelkistys FFC Cambridge –menetelmällä," *Eroon metallien valmistuksen CO_2-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 CO_2-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 metallurgiassa," *477420S 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, "Konvertteriprosessin 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 Sauerstofflanze 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, "Konvertteriprosessien 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 koiraa," *Kaleva*, 29 December 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*, 20 March 2016. Letter to the editor —"—
7. V.-V. Visuri*, "Nelosoluen vapauttaminen parantaisi olutkulttuuria," *Helsingin Sanomat*, p. C8, 6 March 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*, 17 March 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 —"—