

Publications:**Journal papers**

1. Guedia G.G., Militzer M., Prodanovic V., "Modeling of Transient Bottom Jet Impingement Boiling", *Int. J. Heat Mass Transfer*, Vol 136, pp. 1160-1170, online record doi.org/10.1016/j.ijheatmasstransfer.2019.03.060 (2019)
2. Guedia G.G., Prodanovic V., Militzer M., "Simulation of Runout Table Cooling", *Steel Research Int.*, online record doi:10.1001/srin.201800361 (2018)
3. Nobari A.H., Prodanovic V., Militzer M., "Heat Transfer of a Stationary Steel Plate during Water Jet Impingement Cooling", *Int. J. Heat Mass Transfer*, Vol. 101, pp. 1138-1150 (2016)
4. N.L. Chester, M.A. Wells, V. Prodanovic, "Effect Of Inclination Angle and Flow Rate on the Heat Transfer During Bottom Jet Cooling of a Steel Plate", *ASME, Journal of Heat Transfer*, Vol. 134 (2012)
5. Wells M.A., Militzer M., Prodanovic V., "Heat Transfer During Run-Out Table Cooling – Effect of Jet Configuration", *Iron & Steel Technology*, Vol 5. No 10, pp. 85-92 (2008)
6. Jondhale K.V., Wells M.A., Militzer M., Prodanovic V., "Heat Transfer During Multiple Jet Impingement on the Top Surface of Hot Rolled Steel Strip", *Steel Research Int.*, Vol. 79, No.12. pp 938-946 (2008)
7. Hauksson A.T., Fraser D., Prodanovic V., Samarasekera I.V., "Experimental Study Of Boiling Heat Transfer During Subcooled Water Jet Impingement on a Flat Steel Surface", *Ironmaking and Steelmaking*, Vol. 31, No.1. pp 51-56 (2004)
8. Prodanovic V., Fraser D., Salcudean M., "On the Transition from Partial to Fully Developed Subcooled Flow Boiling", *Int. J. Heat Mass Transfer*, Vol. 45. pp. 4727-4738 (2002)
9. Prodanovic V., Fraser D., Salcudean M., "Bubble Behaviour in Subcooled Flow Boiling of Water at Low Pressures and Low Flow Rates", *Int. J. Multiphase Flow*, Vol. 28, pp. 1-19 (2002)
10. Prodanovic V., Pejanovic S., Ciric S., Mijovic J., "Temperature Profiles in "Thick" Composites During Polymerization in Autoclave Processing", *Hem. Ind.*, Vol 48. No. 5-6, pp. 114-118 (1994)
11. Cvijovic S., Raic K., Prodanovic V., "Laminar Boundary Layer - Momentum Conduction with an Internal Source/Sink" *J. Serb. Chem. Soc.* Vol. 57, No. 5-6, pp. 279-286 (1992)
12. Raic K., Prodanovic V., Cvijovic S., Popovic Z., "Modelling of Laminar Transport Phenomena Over a Flat Plate" *J. Serb. Chem. Soc.* Vol. 57, No. 5-6, pp. 287-295 (1992)
13. Knezic V., Prodanovic V., Raic K., Cvijovic S., "Laminar Boundary Layer of Incompressible Fluids in Tubes", *Hem. Ind.*, Vol 46. No. 9-12, pp. 176-179 (1992)

Conference Proceedings:

1. G. Guedia, M. Militzer and V. Prodanovic, "Simulation of Accelerated Cooling", 7th Baosteel Biennial Academic Conference, Shanghai, China, October 30-31, 2018.
2. M. Militzer, V. Prodanovic, H.J. Kirsch, R. Schorr, V. Schwinn, "Accelerated Cooling Studies of Steel Plates on a Pilot-Scale Runout Table", AIST, 2nd International Symposium on the Recent Developments in Plate Steels, Orlando, FL, proc. Warrendale, PA, pp. 103-109, 2018
3. G. Guedia, D. Kashyap, V. Prodanovic and M. Militzer, "Experimental Investigation and Jet Impingement Boiling Model Development for Quenching of Steel Plates using an Upward Directed Water Jet: Spatial Distribution of Heat Flux", ICBCHT 2018, 10th International Conference on Boiling & Condensation Heat Transfer, Nagasaki, JP, March 12-15, 2018
4. D. Kashyap, M. Militzer, and V. Prodanovic, "Heat transfer during bottom jet impingement cooling of a stationary steel plate", MS&T17 Material Science and Technology Conference, Pittsburgh, PA, USA, October 2017
5. G. Guedia, V. Prodanovic, M. Militzer, "Effect of Water Flow Rate and Temperature on Transient Boiling Heat Transfer during Bottom Jet Impingement on Stationary Plate", ISMF 2016, Chengdu, China, December 2016
6. M. Militzer, T. Garcin, J-Y. Maetz, V. Prodanovic, "Process Modeling for Advanced High-strength Steels", ICAS 2016, 1st International Conference on Automobile Steels, Chengdu, China, November 2016
7. Militzer M., Prodanovic V., Kirsch H.J., Schwinn V., "Pilot-Scale Accelerated Cooling Studies", MS&T 2016, Material Science and Technology Conference, Salt Lake City, UT, USA, October 2016
8. Prodanovic V., Militzer M., Kirsch H-J, Schorr R., Schwinn V., "The Effect of Surface Roughness on Accelerated Cooling", *TMP 2016 - 5th Int. Conference. on Thermomechanical Processing of Steel*, Oct 26-29, Milan, Italy, October 2016
9. S. See, V Prodanovic, M. Militzer, "Study of Characteristics for Slant Slit Jet Cooling on Hot Rolled Plate", MCM 2015, *Proceedings of the World Congress on Mechanical, Chemical, and Material Engineering*, No. 310 1-8, Barcelona, Spain, July 2015
10. A.H. Nobari, V. Prodanovic, M. Militzer, "Modeling of Heat Transfer during Cooling of a Hot Steel Plate", MS&T 2013 Conference, Montreal, QC, October 2013
11. M. Militzer, V. Prodanovic, T. Jia, T. Garcin, "Process Model for Accelerated Cooling of Hot-rolled Low-carbon Steels", ICME 2013, Salt Lake City, Utah, 7-11 July 2013

12. S. See, V. Prodanovic, M. Militzer, "Study of Characteristics for Water Curtain Jet Cooling on Hot Rolled Plate", 23th Int. Symposium on Transport Phenomena, Auckland, NZ, 19-22 November 2012
13. A.H. Nobari, V. Prodanovic, M. Militzer, "Heat Transfer during Cooling of a Hot Stationary Steel Plate with a Planar Water Jet", MS&T 2012 Conference, Pittsburgh PA, October 2012
14. Vakili S., Nobari A.H., Prodanovic V., Militzer M., "Accelerated Cooling Model for Hot Rolled Steel Products", *TMP 2012 - 4th Int. Conference. on Thermomechanical Processing of Steel*, September 10-12, Sheffield, UK, September 2012
15. V. Prodanovic, M. Militzer, R. Schorr, K.H. Tacke and H.J. Kirsch, "Experimental Investigation of Submerged Jets during Accelerated Cooling of Plates", 1st International Symposium on the Recent Developments in Plate Steels, Winter Park, Colorado, proc. Warrendale, OH pp. 317-322, 2011
16. V. Prodanovic and M. Militzer, "Modeling Heat Extraction during Accelerated Cooling of Plates", International Symposium on the Recent Developments in Plate Steels, Colorado, proc. Warrendale, OH pp. 305-316, 2011
17. A.H. Nobari, V. Prodanovic, M.S. Hamed, M.A. Wells, M. Militzer, "Thermal behavior of a hot moving steel plate during jet impingement cooling", MS&T 2010, Houston TX, October 2010
18. Prodanovic V., Militzer M., Kirsch H.J. and Tacke K.-H., "Pilot-scale cooling investigations for steel plates", *TMP 2008 - 3rd Int. Conference. on Thermomechanical Processing of Steel*, September 10-12, Padova, Italy, 2008
19. Wells M.A., Militzer M., Prodanovic V., "Heat Transfer During Run-Out Table Cooling – Effect of Jet Configuration", MS&T07, Detroit Michigan, v6. pp. 3680-3690, September 2007
20. Militzer M., Fazeli F., Liu D., Prodanovic V., "Microstructure Engineering of Hot-Rolled Advanced High Strength Steels", MS&T'06, October 15-19, Cincinnati, OH, 2006
21. Jondhale K.V., Prodanovic V., Wells M.A., Militzer M., "Heat Transfer during Multiple Jet Impingement on a Moving Steel Plate", THERMEC'06, July 4-8, Vancouver BC, 2006
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23. Prodanovic V. and Wells M., "Propagation of the Wetting Front during Jet Impingement Boiling on a Horizontal Flat Surface", ECI, 6th International Conference on Boiling Heat Transfer, May 7-12, Spoleto Italy, 2006
24. Prodanovic V. and Militzer M., "Runout Table Cooling Simulation for Advanced Linepipe Steels", COM2005, *Pipelines for the 21st century*, Met. Soc. Proc., Calgary, AB, 2005
25. Prodanovic V., Fraser D., Militzer M., "Simulation Of Runout Table Cooling By Water Jet Impingement on Moving Plates – A Novel Experimental Method", *TMP 2004 - 2nd Int. Conference. on Thermomechanical Processing of Steel*, Proc. pp. 25-32, June 15-17, Liege, Belgium, 2004
26. Hauksson A.T., Meng Q., Prodanovic V., Fraser D., "Boiling Heat Transfer during Water Jet Impingement on a Run-Out Table", 44th MWSP Conference, Proc. Vol. XL pp. 39-46, Orlando, FL (2002)

27. Fraser D., Prodanovic V., Salcudean M., "Experimental study of bubble behaviour in subcooled flow boiling of water at low pressures", *34th National Heat Transfer Conference*, Proc., Pittsburgh, PA (2000)
28. Prodanovic V., Fraser D., Salcudean M., "On the Effect of the Surface Tension on Bubble Departure in Subcooled Flow Boiling", *17th Canadian Congress of Applied Mechanics CANCAM'99*, Proc., Hamilton ON (1999)
29. Prodanovic V., Fraser D., Salcudean M., "Vapor Bubble Departure in Subcooled Flow Boiling", *11th Int. Heat Transfer Conference*, Kyongju, Korea, Proc. Vol. 2, pp. 339-345 (1998)
30. Prodanovic V., Fraser D., Salcudean M., "A Study of Forces Acting on a Single Bubble in Subcooled Flow Boiling at Low Pressure", *32nd National Heat Transfer Conference*, Baltimore MD, AIChE Symposium Series, No 314, Vol. 93, pp. 114-121 (1997)
31. Prodanovic V., Pejanovic S., "Temperature Regime Analysis During Polymerization of Composite Matrix in Laboratory Autoclave Simulator", *2nd Int. Symposium about Ceramics and Glass*, Serbian Chem. Soc. Proc., Arandjelovac YU (1994)
32. Prodanovic V., Raic K., Knezic V., Cvijovic S., "General Approximate Velocity Distribution Equation of a Laminar Flow between Parallel Plates", *4th World Congress of Chemical Engineering*, Karlsruhe, Germany, Proc. No 8. pp. 2-7 (1991)
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34. Cvijovic S., Prodanovic V., Raic K., "Analogies between Momentum, Heat and Mass Transfer in a Laminar Boundary Layer", *32nd Meeting of Chemists of Serbia*, Belgrade, YU (1990)

Publications on Engineering Education:

1. J. Abello, A. Avalos-Rivera, S. Motavas, V. Prodanovic, S. Zappa-Hollman, "Use of a Roleplaying Exercise to Illustrate Design Stakeholder Roles in a First Year Design Course", CEEA 2018, Vancouver, BC, June 3-6 2018
2. S. Motavas, L. Hellwig, V. Prodanovic, "Integration of English Language Modules into the Introduction to Engineering Design Course in the Vantage College 1st Year Engineering Program at the University of British Columbia", CEEA, Toronto, ON, June 2017
3. Prodanovic V., Merida W., "The Integrated Curriculum of UBC's Master of Engineering Leadership Program in Clean Energy Engineering", CEEA16, Canadian Engineering Education Association Conference, Halifax, NS, 2016
4. Prodanovic V., Merida W., "Improvements of the UBC's Professional Master Program in Clean Energy Engineering", ICCE 2015, International Conference and Exhibition on Clean Energy, Ottawa, September 2015

5. C. Yan, V. Prodanovic, R. Taheri-Ardebili, "Students' Perception of Project Based Learning Activities at the School of Engineering, UBC", ASEE 121st Annual Conference & Exposition, Indianapolis, Indiana, 2014
6. R. Taheri-Ardebili, T. Johnson, A. Milani, V. Prodanovic, R. Seethaler, "Challenges Facing First Year Science and Engineering Students and Their Education", 9th Annual Learning Conference Enhancing Student Learning, Kelowna, BC, May 2013
7. R. Taheri-Ardebili, V. Prodanovic, C Yan, "Effectiveness of Project Based Learning (PBL) Activities in Improving the Quality of Education", 8th Annual Learning Conference Scholarly Approaches: Evidence-Informed Teaching and Learning, Kelowna, BC, May 2012