

## **Ausgewählte Publikationen zum Forschungsschwerpunkt**

### **Kühlprozesse von Metallen und Strangguss**

Waldeck, St.; Woche, H.; Specht, E.; Fritsching, U.:

Evaluation of heat transfer in Quenching Processes with Impinging Liquid Jets.

International Journal of Thermal Sciences, 134 (2018), 160-167.

Woche, H.; Fang, Y.; Specht, E.:

Heat transfer analysis during metal cooling with sprays and jets.

Heat Processing 1 (2018) 41-47.

Kulkarni, G.; Specht, E.:

Quantifying the Parameters Influencing Heat Transfer during Quenching of Metal Plate.

Proceedings of the 4<sup>th</sup> World Congress on mechanical, Chemical, and Material Engineering (MCM'18)

Madrid, Spain – August 16-18, 2018. Paper No. HTFF 167 DOI: 10.11159/htff18.167

Woche, H.; Fang, Y.; Specht, E.:

Wärmeübergang von Sprays und Strahlen bei der Kühlung heißer Metalle.

Prozesswärme 1 (2018), 129-136.

Fang, Y.; Specht, E.:

Heat transfer analysis during jet impingement.

16<sup>th</sup> International Heat Transfer Conference, IHTC-16, August 10-15, 2018, Beijing, China.

Kulkarni, G.; Sabariman; Specht, E.:

Jet Impingement Heat Transfer of Moving Metal Sheet.

3<sup>rd</sup> Thermal and Fluids Engineering Conference (TFEC). March 4-7, 2018, Fort Lauderdale, USA.

Sabariman; Fang, Y.; Specht, E.:

Analytical Model for Describing Experimental Results on Parameters Influencing Heat Transfer in Film Boiling with Spray Quenching.

Heat Transfer Engineering. Published online on 22 .Dec. 2017:

<http://www.tandfonline.com/doi/full/10.1080/01457632.2017.1404551>

Kulkarni, G.A.; Specht, E.:

Jet Impingement Heat Transfer of Moving Metal Sheet.

13<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, HEFAT2017,

17 – 19 July 2017, 393-400, Slovenia. ISBN: 978-1-77592-140-0

Fang, Y.; Specht, E.:

Local Heat Transfer Analysis During Intensive Cooling with Water Sprays and Jets.

13<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, HEFAT2017,

17 – 19 July 2017, 401-404, Slovenia. (ISBN: 978-1-77592-140-0)

Zhao, P.; Sabariman; Specht, E.; Song, X.:

Influence of Jet Velocities and Material Properties in Quenching of Metal with Array of Jets.

Advanced Materials Research Vol. 1090 (2015) 63-68.

Jiang, P.; Wang, Q.; Sabariman; Specht, E.:

Experimental Study of Heat Transfer of Pressurized Spray Cooling on the Heated Plate by Using 45°

Full cone Nozzles.

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