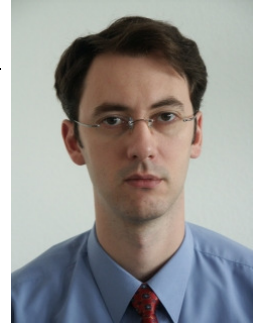


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Research Interests

Superplastic Sheet Metal Forming, Conventional Deep Drawing
Engineering Analysis and Manufacturing
Data Acquisition
Hydraulics

Formal Education

Ph. D. Candidate in Mechanical Engineering, Institute for Metal Forming Technology, University of Stuttgart, Germany. Thesis title "Cone Test in the Superplastic Forming of Aluminum Alloys", advisor Prof. K. Siegert.

MS./BS. in Mechanical Engineering, Technical University of Cluj-Napoca, Romania. GPA 9.55/10, 10/10 for the final thesis. Graduated in top 1 % of the class.

Grants

Republican Merit Scholarship, Romanian state, for outstanding results, highest student award in Romania, from the Romanian state (1990 - 1996).

Experience

Senior Research Assistant, February 1999 to present, Department of Sheet Metal Forming, Institute for Metal Forming Technology, Stuttgart University, Germany; Superplastic Sheet Metal Forming, Conventional Deep Drawing, Hot Sheet Metal Forming of Magnesium and Titanium Alloys, Data Acquisition of Multi-Point Cushion Systems.

Teaching Assistant, 1997 - 1999, Department of Design and Mechanical Engineering, Technical University of Cluj-Napoca, Romania; Quality Assurance, Coordinate Measuring Machines.

Technical Advisor, 1997, Export Department, Unio S.A., Satu Mare, Romania.

Design Engineer, 1995-1997, Ceprom S.A., Satu Mare, Romania; Conveyor Systems.

Publications

M. Vulcan, 5083-SPF: **From Bulge Testing to Automotive Body Parts Forming** (accepted for publishing)

M. Vulcan, **Superplastische Aluminium-Blechumformung**, wt Werkstattstechnik online, Jahrgang 94 (2004) H.10, 500-507 (in German)

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