

## Curriculum Vitae



**Dr.-Ing.**

## VolkerUhlenwinkel

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## Curriculum Vitae

	<b>Dr.-Ing. Volker Uhlenwinkel</b>
	born 26. June 1959 in Bremen
Position	head of „Atomization and Spray Forming“ division
06/1992	PhD thesis: title: Charakterization of the mass flux distribution of particle during spray forming of molten metals

### Professional positions

Since 10/1994	Head of „Atomization and Spray Forming“ division at the IWT Foundation Institute for Materials Science, Bremen
07/1992 – 09/1994	Scientific member of the Mechanical Engineering department at the IWT Foundation Institute for Materials Science, Bremen
01/1986 - 06/1992	Scientific member of the Mechanical Engineering department at the University Bremen

### Membership

DGM German Society for Materials (Deutsche Gesellschaft für Materialkunde)  
AWT Consortium Heat Treatment and Materials Science (Arbeitsgemeinschaft Wärmebehandlung und Werkstofftechnik)  
TMS (The Minerals, Metals & Materials Society)

### Publications (5 of app. 150)

- [1] Ellendt, N., Uhlenwinkel, V., Mädler, L. "High Yield Spray Forming of Small Diameter Tubes using Pressure-Gas-Atomization", *Materials Science & Engineering Technology*, akzeptiert zur Veröffentlichung (Brief des Editors liegt vor) (2014).
- [2] Cui, C.; Schulz, A.; Uhlenwinkel, V.: „Co-spray forming of gradient deposits from two sprays of different tool steels using scanning gas atomizers“, *Steel Res. Int.* (online erschienen 26.7.13).
- [3] Meyer, Ch.; Ellendt N.; Srivastava, V.C.; Uhlenwinkel, V.: „Cooling conditions for the generation of bulk metallic glasses by droplet deposition“. *Int. J. Mat. Res.*103 (2012)9, S. 1090-1095
- [4] Achelis L.,Uhlenwinkel V., Ristau R., Krug P.: „Transient temperatures and microstructure of spray formed aluminum alloy Al-Si sheets“, *Mat.-wiss. u. Werkstofftech.* 2010, 41, No.7, 498-503
- [5] Srivastava, V.C., Surreddi K.B., Scudino S., Schowalter M., Uhlenwinkel V., Schulz A., Eckert J., Rosenhauer A., Zoch H.-W.: „Microstructure and mechanical properties of partially amorphous Al<sub>85</sub>Y<sub>8</sub>Ni<sub>5</sub>Co<sub>2</sub> plate produced by spray forming“, *Materials Science & Engineering A* 527 (2010) 2747-2758