

CURRICULUM VITAE

Personal data:

Name	Ida Westermann
Date of birth	October 6th 1982
Nationality	Danish
Marital status	cohabitant, 1 child

Education:

Sept 2011	PhD Structural Engineering, NTNU, Trondheim Title: Work-hardening behaviour in age-hardenable Al-Zn-Mg(-Cu) alloys
June 2007	MSc. Materials Science and Engineering, NTNU, Trondheim

Work experience:

2014-	Associate Professor, Department of Materials Science and Engineering, NTNU, Trondheim
2011-2014	Research Scientist, SINTEF Materials & Chemistry
2007-2011	PhD candidate, SFI SIMLab, NTNU
March-May 2008	NTNU Strategic Area Materials, coordinator, 50% stand in
Summer 2006 and January 2007	Hydro Aluminium Precision Tubing Tønder, internship
Summer 2005	Research Centre, Risø, Denmark, internship
2003-2006	Teaching assistant, Department of Materials Science and Engineering, NTNU, Trondheim

Courses:

Dec. 2011	Projectmanagement
Nov. 2011	Welcome to SINTEF
June 2008	Pedagogical course for PhD candidates, NTNU
februar 2005	LAOS-course, NTNU

Project leadership experience:

Industrial and internal projects
External project manager for "Fremtidens I&IKT studium" at the Faculty of Engineering Science and Technology, NTNU

Other:

Journal referee: Materials Science and Engineering A
Materials and Design
Materials Science Forum

Publications:

Journal articles:

Westermann, Ida; Pedersen, Ketill O.; Hopperstad, Odd Sture; Børvik, Tore. Effects of particles and solutes on the strength, work-hardening and ductile fracture of aluminium alloys. *Mechanics of Materials*; accepted 28.08.14

Hopperstad, Odd Sture; Westermann, Ida; Pedersen, Ketill Olav; Furu, Trond; Børvik, Tore. Influence of processing route on the work-hardening and ductile fracture of an AA6060 aluminium alloy. *Materials Science Forum* 2014 ;Volum 794-796. s. 284-289

Mørtzell, Eva Anne; Westermann, Ida; Marioara, Calin Daniel; Pedersen, Ketill Olav; Andersen, Sigmund Jarle; Røyset, Jostein; Holmestad, Randi. The effect of elastic straining on a 6060 Aluminium alloy during natural or artificial ageing. *Materials Science Forum* 2014 ;Volum 794-796. s. 1205-1210

Westermann, Ida; Hopperstad, Odd Sture; Langseth, Magnus. Mechanical behaviour of an AA6082 aluminium alloy at low temperatures. *Materials Science Forum* 2014 ;Volum 794-796. s. 532-537

Kristoffersen, Martin; Børvik, Tore; Westermann, Ida; Langseth, Magnus; Hopperstad, Odd Sture Impact against an X65 steel pipe – An experimental investigation. *International Journal of Solids and Structures* 2013; Volum 50 (20-21). s. 3430-3445

Rakvåg, Knut Garder; Børvik, Tore; Hopperstad, Odd Sture; Westermann, Ida An experimental study on the deformation and fracture modes of steel projectiles during impact. *Materials & Design* 2013; Volum 51. s. 242-256

Hoang, Nguyen-Hieu; Hopperstad, Odd Sture; Langseth, Magnus; Westermann, Ida. Failure of aluminium self-piercing rivets: An experimental and numerical study. *Materials & Design* 2013;Volum 49. s. 323-335

Westermann, Ida; Haugstad, Ann Leni; Langsrud, Yngve; Marthinsen, Knut. Effect of quenching rate on microstructure and mechanical properties of commercial AA7108 aluminium alloy. *Transactions of Nonferrous Metals Society of China* 2012; Volum 22.(8) s. 1872-1877

Westermann, Ida; Hopperstad, Odd Sture; Marthinsen, Knut; Holmedal, Bjørn. Effect of alloying elements on stage-III work-hardening behaviour of Al-Zn-Mg(-Cu) alloys. *International Journal of Materials Research - Zeitschrift für Metallkunde* 2012; Volum 103.(5) s. 603-608

Westermann, Ida; Snilsberg, Knut Erik; Sharifi, Zeinab; Hopperstad, Odd Sture; Marthinsen, Knut; Holmedal, Bjørn

Three-point bending of heat-treatable aluminum alloys: Influence of microstructure and texture on bendability and fracture behavior. *Metallurgical and Materials Transactions A* 201; Volum 42 (11) s. 3386-3398; DOI: 10.1007/s11661-011-0768-y

Westermann, Ida; Hopperstad, Odd Sture; Marthinsen, Knut; Holmedal, Bjørn

Work-hardening behaviour of a heat-treatable AA7108 aluminium alloy deformed to intermediate strains by compression. *Journal of Materials Science* 2010; Volum 45 s. 5323-5331; DOI: 10.1007/s10853-010-4580-7

Snilsberg, Knut Erik; Westermann, Ida; Holmedal, Bjørn; Hopperstad, Odd Sture; Langsrud, Yngve; Marthinsen, Knut.

Anisotropy of Bending Properties in Industrial Heat-treatable Extruded Aluminium Alloys. *Materials Science Forum* 2010; Volum 638-642. s. 487-492

Westermann, Ida; Hopperstad, Odd Sture; Marthinsen, Knut; Holmedal, Bjørn.

Ageing and work-hardening behaviour of a commercial AA7108 aluminium alloy. *Materials Science & Engineering: A* 2009; Volum 524.(1-2) s. 151-157

Westermann, Ida; Hopperstad, Odd Sture; Marthinsen, Knut; Holmedal, Bjørn.

Work- and age-hardening behaviour of a commercial AA7108 aluminium alloy. *Materials Science Forum* 2009; Volum 618-619. s. 555-558

Haaland, Bjørnar Øvrum; Westermann, Ida; Holmedal, Bjørn; Nes, Erik Aasmund.

Microstructure and properties of as-deformed and annealed accumulated roll-bonded aluminium alloys. I: *Proceedings of the 11th International Conference on Aluminium Alloys*. Wiley-VCH Verlagsgesellschaft 2008 ISBN 9783527323678. s. 1468-1473

Conference contributions:

Mørtzell, Eva A; Westermann, Ida; Marioara, Calin D.; Pedersen, Ketill O.; Røyset, Jostein; Holmestad, Randi. Elastic Ageing of a Lean Aluminium 6060 Alloy. Scandem 2013; 2013-06-10 - 2013-06-14

Rakvåg, Knut Gaarder; Børvik, Tore; Hopperstad, Odd Sture; Westermann, Ida.

Experimental and numerical study on fragmentation of steel projectiles. DYMAT 2012; 2012-09-02 - 2012-09-07

Westermann, Ida; Hopperstad, Odd Sture; Myhr, Ole Runar; Marthinsen, Knut; Holmedal, Bjørn.

MODELING OF WORK-HARDENING IN AN AGE-HARDENABLE AA7108 ALUMINUM ALLOY. 13th International Conference on Aluminum Alloys; 2012-06-03 - 2012-06-08

Saai, Afaf; Westermann, Ida; Dumoulin, Stéphane; Hopperstad, Odd Sture; Berstad, Torodd.

Influence of Microstructure and Texture on the Bendability of AA7108 Aluminium Alloy.

10th International Conference on Technology and Plasticity; 2011-09-26 - 2011-09-30

Westermann, Ida; Snilsberg, Knut Erik; Holmedal, Bjørn; Hopperstad, Odd Sture; Marthinsen, Knut.

Bendability and Fracture Behaviour of Heat-treatable Extruded Aluminium Alloys. 12th International Conference on Aluminium Alloys; 2010-09-05 - 2010-09-09

Snilsberg, Knut Erik; Westermann, Ida; Holmedal, Bjørn; Hopperstad, Odd Sture; Langsrud, Yngve; Marthinsen, Knut.

Anisotropy of bending properties in industrial heat-treatable extruded aluminium alloys. Thermec 2009; 2009-08-25 - 2009-08-29

Westermann, Ida; Hopperstad, Odd Sture; Marthinsen, Knut; Holmedal, Bjørn.

Work- and Age-Hardening Behaviour of a Commercial AA7108 Aluminium Alloy. Light Metals Technology Conference 2009; 2009-06-29 - 2009-07-01

Haaland, Bjørnar Ø; Westermann, Ida; Holmedal, Bjørn; Nes, Erik Aasmund.

Microstructure and properties of as-deformed and annealed accumulated roll-bonded aluminium alloys. 11th International Conference on Aluminium Alloys; 2008-09-22 - 2008-09-26

Haaland, Bjørnar Øvrum; Westermann, Ida; Nijs, Oscar Cornelis Johanna; Holmedal, Bjørn; Roven, Hans Jørgen; Ryum, Nils; Nes, Erik Aasmund.

Microstructure and properties of severely deformed and annealed aluminium alloys. Recent developments in the processing and applications of structural metals and alloys; 2008-06-22 - 2008-06-25