

DAVID C. DUNAND

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PROFESSIONAL INTERESTS

Physical, mechanical and processing metallurgy of advanced metallic alloys, composites and foams.

EDUCATION

Massachusetts Institute of Technology (MIT) 1986-91
Department of Materials Science & Engineering (Cambridge, MA)
Degree: Ph.D. in Metallurgy (thesis supervisor: Prof. A. Mortensen).
Swiss Federal Institute of Technology (ETH) 1981-86
Department of Materials (Zürich, Switzerland)
Degree: Diploma (B.S./M.S.) in Materials Engineering (thesis supervisor: Prof. M.O. Speidel).

EXPERIENCE

Northwestern University (NU) 1997-present
Department of Materials Science & Engineering (Evanston, IL)
Professor (9/03 - present)
Associate Professor with tenure (7/99 – 8/03)
Associate Professor (1/97 – 6/99)

Massachusetts Institute of Technology 1986-99
Department of Materials Science & Engineering (Cambridge, MA)
Associate Professor (7/96-1/98)
Assistant Professor (7/91-6/96)
Postdoctoral Fellow (10/90-6/91)

HONORS

Professor of the Year, Department of Materials Science & Engineering (NU) 2015
Fellow of *TMS* (the Mineral, Metals and Materials Society) 2012
Materials Science & Engineering A Journal Prize 2012
Distinguished Scientist/Engineer Award from *TMS* (Structural Materials Division) 2009
Fellow of *ASM International* (the Materials Information Society) 2007
James and Margie Krebs Chair, McCormick School of Engineering (NU) 2005-present
Teacher of the Year, Department of Materials Science & Engineering (NU) 1998
Albert Sauveur invited lecture to the New England Chapter of ASM 1996
AMAX Career Development Chair (MIT). 1991-96
Award for Excellence in Technical Research from *Aesar/Alfa* 1991
Doctoral and post-doctoral fellowships from the *Swiss National Foundation* 1987 & 90
Graduate fellowships from the *Swiss Committee for Space Research* and from *IBM Corp.* 1988-89
Prize from *Sulzer AG* and medal from *ETH* for best diploma in the Department of Materials 1986

PROFESSIONAL ACTIVITIES

Member of the Advisory Board: *Advanced Engineering Materials* 2014-present
Co-Founder and co-Chief Scientist, *NanoAl, LLC* 2013-present
Co-director of the *Institute for Sustainability and Energy at Northwestern (ISEN)* 2013-2015
Founding co-director of the *Initiative for Sustainability and Energy at Northwestern (ISEN)* 2008-2013
Guest Scientist at the *National Institute for Standards and Technology (NIST)* 2011-2012
Member of Editorial Review Board: *Materials Research Letters* 2012-present
Microstructure/Mechanical Properties Beamline Advisory Committee (*Adv. Photon Source*) 2008-2010
Member of Editorial Board: *International Journal of Materials Engineering Innovation* 2008-2010
Co-director of *Central Laboratory for Materials Mechanical Properties* (NU) 2004-present
Advisory Board of *Metfoam 2005, 2009, 2011, 2013* - technical co-chair of *Metfoam* 2007 2005-11
Invited Professor at *Karlsruhe University* 2004 (summer)
Co-organizer of three symposia on superplasticity at *Aeromat* and *TMS* conferences 2000-2004
Member of the User Group Executive Committee of the *Los Alamos Neutron Science Center* 2001-2004
Member of Editorial Board: *Materials Science & Engineering A* 2001-2014
Member of Editorial Board: *International Materials Review* 2001-2008
Visiting Professor to *Ecole Polytechnique Fédérale de Lausanne (EPFL, Switzerland)* 2000 (summer)
Invited Guest at *University Stuttgart/Max Planck Institute* (funded by German NSF) 1999
Member of the User Group Executive Committee, *Los Alamos Neutron Science Center* 1997-2000
Member of the Editorial Board: *Revue de Métallurgie* 1997-2006
Member of the Board of Review: *Metallurgical and Materials Transactions* 1997-2006
Visiting Professor at *Ecole Nationale Supérieure de Chimie, CNRS (Lille, France)* 1994 (summer)

PUBLICATIONS

Web of Science (7/2015): 345 refereed publications; >7,000 citations; h-index: 47 (10 patents)