

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

TMS Light Metals Subject Award - Aluminum Alloys 2020
Professor of the Year, Department of Materials Science & Engineering (NU) 2014
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) 2005-2017
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

Co-Founder, NanoAl, LLC (now part of Unity Aluminum) 2015
Founding co-director of the Initiative for Sustainability and Energy at Northwestern (ISEN) 2008-15
Guest Scientist at the National Institute for Standards and Technology (NIST) 2011-12
Member of Editorial Review Board: *Materials Review Letters* 2012-12
Microstructure/Mechanical Properties Beamline Advisory Committee (*Adv. Photon Source*) 2008-10
Member of Editorial Board: *International Journal of Materials Engineering Innovation* 2008-10
Director of Central Laboratory for Materials Mechanical Properties (NU) 2004 - present
Advisory Board of Metfoam 2005,09,11,13,15,17,19,21- technical co-chair of Metfoam 2007 2005-21
Invited Professor at Karlsruhe University 2004 (Summer)
Co-organizer of three symposia on superplasticity at Aeromat and TMS conferences 2000-04
Member of the User Group Executive Committee of the Los Alamos Neutron Science Center 2001-04
Member of Editorial Board: *Materials Science & Engineering A* 2001-present
Member of Editorial Board: *International Materials Review* 2001-08
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

Google Scholar (1/2021): >500 refereed publications; 22,000 citations; h-index: 79 (10 patents)