DAVID C. DUNAND

Department of Materials Science & Engineering
Northwestern University
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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

Teacher of the Year, Department of Materials Science & Engineering (NU)	*2023*
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, *IROX, LLC*	*2025*
Visiting Professor, *University of California, San Diego*	*2025 (winter)*
Co-Founder, *NanoAl, LLC* (now part of *Aluminum Dynamics*)	*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 *Metfoam 2005,09,11,13,15,17,19,21, 23*- technical co-chair of *Metfoam 2007*	*2005-23*
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*	*2001-15*
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 (12/2025): >500 refereed publications (>20 patents); >37,000 citations; h-index: 97