

# 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

*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

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 (7/2025): >500 refereed publications (12 patents); >35,000 citations; h-index: 96