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RESUME

Menahem Bamberger

I.D. No. - 06824668
Date and place of Birth - 7.12.46. , Afula, Israel.
Family Status - Married + 3
Army Service - 1965-1967

ACADEMIC DEGREES

1971 B.Sc., Physics, Technion, Haifa
1975 M.Sc., Materials Eng., Technion, Haifa
1978 Dr. Ing. Facultät für Bergbau, Hüttenwesen und Maschinenwesen der Technische Universität, Clausthal, West Germany

ACADEMIC APPOINTMENTS

2011 Visiting Professor, HoMe-Hochschule Merseburg, Germany
2007 Visiting Professor, UTG, University of Munich, Germany
2006 Professor, Materials Eng. Technion, Haifa
2000-2001 Visiting Associate Professor, Department of Materials Science and Engineering, MIT, Cambridge, USA
1991 Associate Professor, Materials Eng., Technion, Haifa
1986 Senior lecturer, Materials Eng., Technion, Haifa
1982 Lecturer, Materials Eng., Technion, Haifa

PROFESSIONAL EXPERIENCE

Summer 1997 Guest scientist in the "Center for Laser Applications", The University of Tennessee Space Institute. Subject: Laser Induced Metal/Ceramic Bonding
Summer 1995 Guest scientist in the "Center for Laser Applications", The University of Tennessee Space Institute. Subject: Laser Induced Metal/Ceramic Bonding
1988-89 Guest scientist in the Laser Application Laboratory of DLR Stuttgart, W. Germany. Subject: Laser Boronizing of Steel.
Summer 1987 Guest scientist in the Institute für Werkstoffkunde, RWTH Aachen, W. Germany Subject: Laser Surface Treatment of Cast Irons
Summer 1983 Guest scientist in the Metallgesellschaft AG, Frankfurt, W. Germany Subject: Stress Field in Continuous Casting.

RESEARCH INTERESTS

Solidification and Phase Transformation, Phase Stability, Metallurgical Processing, Casting, Laser Materials Processing, Casting Simulations, Mg Processing, Ni-Base Superalloys.

TEACHING EXPERIENCE

Metallurgical Processing, undergraduate, Technion
Foundry Technology, undergraduate, Technion
Introduction to Materials Eng., undergraduate, Technion
Computer Applications in Materials Eng., undergraduate, Technion
Solidification of Metals, graduate, Technion
Thermodynamics and Phase Transformation, undergraduate, Technion
Materials Processing Laboratory, MIT

Metals and their properties, undergraduate, Technion,

PUBLIC PROFESSIONAL ACTIVITIES

- 1983 – 1999 Head of the "Casting and Solidification" Committee of the Israel Metallurgical Society.
- 1990-Present Member of the editorial board of the journal "Lasers in Engineering".
- 1995-1998 Member of the SFB 390 "Mg Technologie" Funded by Deutsche Forschung Gesellschaft (DFG) Germany.
- 1996-2000 Head of the scientific board of the "Mg production and finishing processes" Consortium, Ministry of Industry and Trade, The state of Israel
- 2000-Present Member of the "Scientific Advisory Board", Deutsche Industrie-Holding AG, Essen, Germany
- 2008- Journal of Metallurgy, Editor

REFeree FOR THE FOLLOWING JOURNALS

Acta Materialia
 Scripta Metallurgica
 Metallurgical Transactions B
 Lasers in Engineering
 Journal of Laser Applications
 Journal of Engineering Materials and Technology
 Materials Science & Engineering A
 International Journal of Thermal Science

EDITORIAL BORD

Lasers in Engineering
 J. of Metallurgy

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Since 1982 Verein Deutsche Giessereifachleute, Germany
- Since 1983 Israel Metallurgical Society.
- Since 1997 The Minerals, Metals and Materials Society (TMS), USA
- Since 1999 Member of the Laser Institute of America

HONORS

- 1976-1978 Deutsche Academisch Austausch Dienst (DAAD) scholarship
- 1987 Deutsche Academisch Austausch Dienst (DAAD) scholarship
- 1988-1989 Alexander von Humboldt (AvH) fellowship