

GUTMANAS ELAZAR

December 2014

Zandmans Chair in Ceramics

SHORT CURRICULUM VITAE

Date and place of birth: 28.10.1939, Kaunas, Lithuania

Immigrated to Israel: 19.9.1973

Marital status: married, 3 children

Academic Degrees

1962 M.Sc., Materials Science, Leningrad Polytechnical Institute — Yoffe's Physico-Technical Institute, Academy of Sciences of the USSR, Leningrad.

1970 Ph.D., Physics of Solid State, Solid State Physics Institute, Academy of Sciences of the USSR, Chernogolovka, Moscow district.

Teaching Experience

Undergraduate Courses

At Technion

"Structure and Properties of Engineering Materials"

"Introduction to Materials Engineering" (for Materials Eng., Mechanical

Eng. Faculties Electrical Eng., Civil Eng., Aeronautical Eng. and Industry and Management)

"Mechanical Metallurgy"

"Materials Selection"

"Materials Selection for Aerospace Application"

"Powder Metallurgy"

"Properties of Engineering Materials"

"Materials Laboratories (for 3rd year Mechanical Eng.)"

"Advanced Labs. - Materials Eng." - Annual projects in "Mechanical Properties of

"Materials" and "Materials Science: (for 4th year Mechanical Eng. - a total 14 projects

"Materials Selection - Advanced"

"Advanced Project in Materials Engineering" total of 18 projects

"Metal Alloys"

"Materials Processing"

"Mechanical Behavior of Materials"

At Drexel -"Fundamentals of Ceramics"

University -"Powder Metallurgy"

-"Composite Materials"

-"Fundamentals of Mechanical Behavior of Materials"

-"Thermodynamics of Metallurgical Processes"

Graduate Courses

At Technion -"Physics of Deformation of Crystalline Materials"

-"Ceramic Materials"

-"Mechanical Behavior of Materials"

-"Powder Metallurgy"

-"Electronic Materials"

At Drexel- -"Introduction to Materials Science", II and III

University

Administrative Appointments

At Technion

1980-1982 Member of the Committee of Certificates.

1985-1989 Director of Materials Engineering Research Center.

1995- 1998 Member of the Committee of Awards - Graduate School

Public Professional Activities

2013 – present Member of International Scientific Committee of International Workshop “Modeling and Development of Materials for Biomedical Applications”, February 5-7, 2014, Madrid

2013 – present Member of International Scientific Council, National Research Tomsk Polytechnic University, “MISIS”, Moscow

2013 – present Member of International Advisory Scientific Council, National University of Science and Technology

2013 - present Member of International Advisory Board of CB-9 “SHS Ceramics” of the *International Ceramics Congress CIMTEC 2014*, June 2014, Montecatini, Italy

2012 –2013 Member of International Scientific Committee of the International Conference on Computational Modeling of nanostructured Materials, Frankfurt, September 2013

2012 – 2013 Member of International Scientific Committee of the International Workshop on Nanostructured Ti-based Alloys for Medical Applications Mechanical Properties and Biocompatibility

2010 – 2011 Member of International Advisory Committee of XI International Symposium on Self-Propagating High-Temperature Synthesis (SHS-2011), Greece, September 2011.

2010 – 2011 Member of International Organizing Board of the International Conference "Non-isothermal Phenomena and Processes: *from Thermal Explosion (SHS) Theory to Structural Macrokinetics*", November 2011, Chernogolovka, Russia.

2008 2009 Member of International Advisory Committee of X International Symposium on Self-Propagating High-Temperature Synthesis (SHS-2009), Armenia, July 2009.

2008-2010 Member of Organizing Committee of European Conference on Nanofilms, 2010, Leige, Belgium.

2007- 2008 Member of Organizing Committee of International Conference "Functional Nanocoatings", Budapest, Hungary, March-April 2008.

2006- 2007 Member of International Advisory Committee of IX International Symposium on Self-Propagating High-Temperature Synthesis (SHS-2007), Dijon, France, July 2007.

2005–2006 Member of Advisory International Board of International Conference "Non-isothermal Phenomena and Processes", October 2006, Armenia.

2004-2006 Member of the International Advisory Board, *CIMTEC 2006 - 11th Int. Ceramic Congress*, Sicily, Italy, June 2006.

2004-2005. Co-chairman of Armenian-Israeli Workshop on SHS, Erevan, September 2005.

2003-2005 Member of the International Advisory Board, SHS-2005, VIII International Symposium, Sardinia, Italy, June 2005.

2002-2004 Member of International Liaison Committee, Powder Metallurgy World Congress 2004, Vienna, Austria.

2002-2003 Member of the International Advisory Board, SHS-2003, VII International Symposium, Cracow, Poland, July 6-10, 2003.

2000-2002 Member of Scientific Program Committee, 8-th International Conference on Ceramic Processing Science, ICCPS-2002, Germany, September 2002.

2001-2002 Member of International Advisory Committee, International Conference on Powder Metallurgy of Automotive Components, New Delhi India, January 2002.

1999-2002 Chairman of Local Organizing Committee, SHS-2001, International Symposium, Haifa, Israel, 17-21, February 2002.

2000-2001 Member of International Advisory Committee, ISMANAM-2001, International Symposium, Ann Arbor, MI, USA, 24-29 June 2001.