

ACADEMIC APPOINTMENTS

- 1/4/99-31/1/00: On Sabbatical from Technion: Visiting Associate Professor, Department of fire Protection Engineering, University of Maryland, College-Park, USA.
- 1/4/94 to present: Associate Professor, Civ. Eng., Technion, Haifa, Israel.
- 1/10/82-31/3/94: Senior Lecturer, Civ. Eng., Technion. Tenured in 1987.
- 1/11/75-30/9/82: Adjunct Teacher Lecturer Civil Engineering, Technion.
- 1972-1975: Teaching and Research Assis. Applied Mech. & Eng. Science, Univ. of Michigan, Ann-Arbor, USA.
- 1968-1970: Teaching and Research Assis. Civ. Eng., Technion.

PROFESSIONAL EXPERIENCE

- 1/4/99-31/1/00: On Sabbatical from Technion: Visiting Researcher, Building and Fire Research Laboratory, NIST - National Institute of Standards and Technology, Gaithersburg, USA.
- 15/6/93-30/9/93: On Sabbatical from Technion: Guest Scientist at the Fraunhofer Institut fur Bauphysik, Stuttgart, Germany.
- Since 1989: Head, Physical Performance of Buildings Department (at the National Building Research Institute, Technion, Haifa, Israel).
- 1982-1989: Head, Performance of Building Systems Division (at the Building Research Station, Technion, Haifa, Israel).
- 1/3/81-30/9/82: Senior Research Fellow at the Building Research Station, Technion, Haifa, Israel.
- 1/10/75-28/2/81: Research Fellow/Engineer at the Building Research Station, Technion, Haifa, Israel.
- 1969-1970: Structural Engineer at the Engineering Design Co. "Life", Haifa.

TECHNION & FACULTY ACTIVITIES

- 1995-1999: Head, Division of Building Materials, Performance and Technology.
- Since 1999: Head, Graduate studies track "Building Materials, Performance and Technology".
- 2002-2005: Member of the permanent committee for undergraduate/graduate studies.
- Since 2000: Member of the interdepartmental committee for Quality Assurance and Reliability.
- 2002-2004: Chair, committee for undergraduate studies, Dep. of Structural Eng. and Construction Management, Faculty of Civ. & Env. Eng.
- 2003-2005: Development of the undergraduate studies track "Civil Engineering – Management and Construction".
- 2006-2007: Faculty delegate to the Technion Senate academic assembly.
- Since 2006: Head, undergraduate studies track "Civil Engineering – Management and Construction".
- Since 2009: Chair, studies committee, Dep. of Structural Eng. and Construction Management, Faculty of Civ. & Env. Eng.

PUBLIC PROFESSIONAL ACTIVITIES

A. Member of International Working Commissions

- 1981-2008: CIB-W60, The Performance Concept in Building (Coordinator 1986-1996).
- Since 1985: CIB-W40, Heat and Moisture Transfer in Buildings.
- 2002-2004: The European EnPer-TEBUC (building energy performance) project.

B. International Appointments

- 1992-1998: Board of CIB (International Council for Research and Innovation in Building and Construction).
- 1995-1998: The Program Committee of CIB.
- 1995-1998: Vice President of CIB.
- 1986-1996: Coordinator of CIB W-60 - The Performance Concept in Building.
- 1996-1998: CIB PC Coordinating Committee for Sustainable Construction.

- 1999: Guest Editor of a Special Issue on "Application of the Performance Concept in Building", Automation in Construction (8).
- Since 2004: Editorial Board of the Journal of Building Physics.
- 2007: World Health Organization Expert Committee on "Interventions to reduce health effects from damp and mould".
- 2008: Honorary Committee, Building Physics Symposium in honour of Prof. Hugo L.S.C. Hens, Leuven,.
- Since 2009: Board of IABP (International Association of Building Physics).

C. Membership in National Committees

1. Technical Standardization Committees: "119 - Performance and Quality Assurance of Buildings" (Chair); "2203 - Energy in Buildings" (Chair); and "114 - Thermal Insulation of Buildings".
2. National Task-Force and Central Steering Committee for the Israeli Building Code, and Chair of Steering Committee for Task No. 2: Health, Comfort, Serviceability and Sustainable Construction in the preparation of the new Israeli Building Code.
3. Central Committee for Building Standards (Technion representative).
4. Expert Committees for the following standards: SI 1045 "Thermal Insulation of Buildings - Part 0" (Chair), SI 1375 "Experimental Determination of the Characteristic Thermal Resistance of Building Elements".
5. Past Member/Chair of Expert Committees for the following standards: SI 268 "Ytong Blocks", and SI 365 "Concrete Masonry Units with Special Qualities for Thermal Insulation", SI 1414/1&2 "External/Internal Thermal Insulation System of External Walls, Based on Thermal Plaster Made of Cement and Expanded Polystyrene Beads", SI 1275/1 "Finished Plasters in Buildings: Interior Plasters - Requirements and Test Methods", SI 1733 "Fire Resistant Coatings for Steel Structures", SI 931/1 "Fire Safety - Test Methods", SI 931/2 "Fire Resistance - Requirements in Buildings", SI 2262 "Industrialized Low-Rise Houses", SI 5435 "Fire Safety in Train Stations and Facilities", SI 5450 "Test Methods for the Determination of Thermal Conductivity of Materials".

D. Special Appointments

1. Chair, Committee for the "Establishment of a formal approval process for innovative building systems and its enforcement in Israel". Appointed on June 28, 2001 by the Minister of Construction and Housing. Recommendations adopted by the government on November 11, 2001.
2. Committee for Building Industrialization appointed by the ministry of Construction and Housing. Member of two sub-committees: 1. Professional education and knowledge dissemination, and 2. Development of a research agenda. 2003.
3. Committee for the followup of the Zeiler Report, appointed by the Ministry of Interiors. Member of the Building Code Team. 2004.
4. Chair of the Accreditation Committee for B.Sc. in Civil Engineering at Sami Shamon College (since 2006), Ariel College (since 2007), and the Building Engineering Department at Ben-Gurion University (since 2009). Appointed by the Israeli Council for Higher Education.
5. Member of the central steering committee for the new Israeli Building Code, and head of its steering committee for team no. 2 (building performance topics: Serviceability, Health & Comfort; and Sustainable Construction). Appointed by the Ministry of Construction and Housing. Since 2007.
6. Member of the Ministry of Interiors steering committee for the establishment of Design Approval Bodies in Israel. 2007-2010.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- CIB International Council for Research and Innovation in Building and Construction
 IACIE Israeli Association of Construction and Infrastructure Engineers
 IABP International Association of Building Physics

HONORS AND PRIZES

- 1973-1974: Tou Beta Pi Best Student Prize in App. Mech., Univ. of Michigan, U.S.A.

- 1973-1975: National Science Foundation, USA, Part-time grant for Ph.D studies.
- 1985: Goldstein Prize of the Israeli Building Sector, Merit of Distinction for the Implementation of the Performance Concept in Building in Israel.
- 1994: Goldstein Prize of the Israeli Building Sector, Prize for leading the investigation of new building systems in Israel.
- 1997: Merit of Distinction in Recognition of a Distinguished Contribution to the Advancement of the Israeli Standardization Activity.
- 2003: Person of the Year in Research, granted by the Israeli construction engineering journal Mivnim for the contribution to Performance-Based Building in Israel.
- 2006: Merit of Distinction in Recognition of a Distinguished Contribution to the Advancement of the Israeli Standardization Activity.