

# Curriculum Vitae

## Mohammad Shekarchizadeh

### BIOGRAPHICAL INFORMATION

**Place of birth:** Isfahan, Iran  
**Date of birth:** April 25<sup>th</sup>, 1960  
**Marital status:** Married

### Contact Information

Construction Materials Institute (CMI),  
School of Civil Engineering,  
University of Tehran  
Tehran, Iran  
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### EDUCATION

- 1999            INSA de Lyon, France  
**Ph.D.**, Structural Engineering  
**Title:** *ETUDE DU COMPORTEMENT THERMO-HYDRIQUE D'UNE PAROI EN BETON A HAUTES PERFORMANCES*  
(Study of hydro-thermal behavior of High Performance Concrete)  
**Advisors:** MM. A. Millard (CEA), F. H. Wittmann (Ecole Polytechnique de Zurich), MM. G. Debicki (INSA de Lyon), L. Granger (EDF/SEPTEN), P. Jouanna (Universite de Montpellier 2), J. F. Jullien (INSA de Lyon), J. M. Reynouard (INSA de Lyon)
- 1993            INSA de Lyon, France  
**M.Sc.**, Structure-Material
- 1985            University of Tehran, Tehran, Iran  
**M.Sc.**, Structural Engineering, Department of Civil Engineering

## PROFESSIONAL ACADEMIC ACTIVITIES

### Employment

2013-now	<b>Road, Housing and Urban Development Research Center (BHRC), Ministry of Road and Urbanism</b> President
2013-now	<b>University of Tehran, Tehran, Iran</b> Professor
2011-now	<b>Iran Society of Engineering Education</b> Board of member
2011-2013	<b>Alumni Association of Faculty of Engineering University of Tehran</b> Board member and secretary
2010-now	<b>IAESTE Iran</b> National Secretary
2010-2013	<b>University of Tehran, Tehran, Iran</b> Director of office of Evaluation of Education in College of Engineering
2008-2013	<b>University of Tehran, Tehran, Iran</b> Associated Professor
2008-now	<b>Alaodoleh Semnani Institute of Higher Education, Iran</b> Board of Trustees Member
2007-now	<b>University of Tehran Construction Material Laboratory, Tehran, Iran</b> Director
2004-now	<b>University of Tehran Construction Material Institute (CMI), Tehran, Iran</b> Director
2002-2010	<b>IAESTE Iran</b> Board of Member
2000-2007	<b>Construction Material Laboratory, Tehran, Iran</b> Deputy Director
1997-2007	<b>University of Tehran Press, Tehran, Iran</b> Director
1999	<b>University of Tehran, Tehran, Iran</b> Assistant Professor
1987-1992	<b>University of Tehran Press, Tehran, Iran</b> Director
1987	<b>University of Tehran, Tehran, Iran</b> Teaching Assistant

## SUPERVISING AND ACTIVITIESE

- Concrete durability under Persian Gulf area conditions (chloride penetration and corrosion)
- Service life models with probabilistic approach
- Study of Self Compacted Concrete (SCC)
- Study of permeability in concrete
- Study of natural pozzolans in concrete
- RCC permeability, effects of pozzolans
- Behavior of Metakaolin concrete
- Behavior of Zeolite concrete
- Study of RCC (in dams) and RCCP, effects of use of silica fume
- Mass concrete technology for concrete dams under construction
- Methods of cement consumption optimizing in concrete
- Use of steel slag in civil engineering
- Fiber reinforced concrete behavior (steel, polypropylene and cellulose fibers)
- Glass Fiber Reinforced Concrete (GFRC)
- Use of SMA (Shape Memory Alloy) as a confinement in concrete
- Study of 3-D behavior of concrete
- Impact behavior of fiber reinforced concrete (SIFCON)
- Use of chemical admixture in concrete
- NDT and NDE methods in concrete
- Concrete in sewage medium
- ALAG concrete behavior (Anti-Abrasion Concrete)
- Decorative concrete and colored concrete
- Creep and shrinkage behavior of concrete
- Use of Impact Echo as a NDT method in concrete
- Study of AAR in concrete
- Light weight aggregate concrete

- Flowable Fill concrete (CLSMs)
- Use of nano-silice in concrete
- 3D modeling of cement hydration
- Virtual testing in of cementitious material
- Green concrete
- Use of polymer in concrete
- Use of pre-placed aggregate concrete

## PROFESSIONAL SOCIETY MEMBERSHIPS AND SERVICES

1999	ICI (Iranian Concrete Institute) member
1999	IEF (Iranian Engineering Foundation) member
2000	Member of Board of Trustees of Late M.A. Jamalzadeh Foundation
2000	ACI-International member
2001-2003	ACI-Faculty Network member
2004-2007	ICI Board Alternate member
2006	Member of High Council of Alumni Association of Faculty of Engineering, University of Tehran
2007	Board member of Bonyad Beton Company
2007	ICI Board member
2009	ISEE (Iranian Society of Engineering Education) Board member
2010-now	Board member of Alumni Association of Faculty of Engineering, University of Tehran
2011-now	Director of Iran Society of Engineering Education

## Publications

### Books

- [1] **Roller Compacted Concrete for Dams** (in Persian), Shekarchi M and Ghassemi H University of Tehran Press, Tehran, 2003 (first Ed.) and 2005 (second Ed.), 263 pages. (in Persian)

- [2] **Construction Material**, in the memory of the Late Professor Hami (in Persian) Editors, University of Tehran Press, Tehran, 2005, 890 pages.
- [3] **Portland Cement** (in Persian), Shekarchi M., Ghassemi H, and Hoorfar, A. University of Tehran Press, Tehran, 2006, 300 pages.
- [4] **Self Compacted Concrete**, Proceeding of the first Workshop of SCC in Iran, Feb. 2007 (in Persian), Editors: Shekarchi M. and Libre N. A. CMI Press, Tehran, 2007, 306 pages.
- [5] **Lightweight Aggregates Concrete** (in Persian), Shekarchi M., Libre N. A. and Emdadi A. University of Tehran Press, Tehran, 2008, 422 pages.
- [6] **Appropriate methods of concrete production and optimization of cement consumption** (in Persian), Tadaion M., Rezaii, F., Shekarchi M. and Nasr Azadani S. M. Municipality of Tehran Press, Tehran, 2010, 236 pages
- [7] **Guideline for Structural Lightweight Aggregate Concrete** (in Persian), Shekarchizadeh M., Libre N. A. and Jalili M. Elm O Adab Press, Tehran, 2011, 321 Pages.
- [8] **Light Weight Concrete**, Proceeding of the first Conference of Light Weight Concrete in Iran, Feb. 2011 (in Persian), Editors: Shekarchi M. and Libre N. A. CMI Press, Tehran, 2011, 708 pages.
- [9] **Science, Technology and Applications- Chemical Admixture for Concrete** (in Persian), Shekarchizadeh M., Libre N. A., Dehghan S. and PourZarabi A. Elm O Adab Press, Tehran, 2012, 328 Pages.
- [10] **Guideline for Ready Mixed Concrete** (in Persian), Shekarchizadeh M., Eftekhari M. H. and HajiEsmaeeli A. Elm O Adab Press, Tehran, 2012, 232 Pages.
- [11] **Guideline for Hot Weathering Concreting** (in Persian), Shekarchizadeh M., Libre N. A., Sabet F and MehdiPour I. Pendar Pars Press, Tehran, 2013, 134 Pages
- [12] **Cncrete** (in Persian), Shekarchizadeh M., Ghodousi P. and Ramezannianpour A. University of Tehran Press, Tehran, 2013, 722 Pages.
- [13] **Roller Compacted Concrete Pavements-ACI 325.10R and Test Methods** (in Persian), Shekarchizadeh M., Chini M., Nematy M. and Eftekhari M. H. Elm O Adab Press, Tehran, 2014, 154 Pages.
- [14] **Guidline for Steel Fiber Reinforced Concrete** (in Persian), Shekarchizadeh M. and Rahmnaei T. Elm O Adab Press, Tehran, 2014, 154 Pages.

### *ISI and International Journal Papers*

- [1] Dasmeh A., Fakher A., **Shekarchi M.** and Gharavy M. (2000). "The influence of compaction time on the mechanical properties of RCC". International Journal of Hydropower and Dam, Vol. 7 Issue 3, pp. 60-63.

- [2] **Shekarchi M.**, Debicki G., Granger L., and Billard Y. (2002) "Study of leak tightness integrity of containment wall without liner in high performance concrete under accidental conditions- I. Experimentation", *Nuclear Engineering and Design*, 213, pp.1-9
- [3] **Shekarchi M.**, Debicki G., Billard Y. and Coudert L. (2003) "Heat and mass transfer of high performance concrete for reactor containment under severe accident conditions" *Fire Technology*, 39, pp. 63-71.
- [4] Billard Y., **Shekarchi M.**, Debicki G., Granger L. and Chauvel D. (2004), "Heat and mass transfers in a concrete wall with composite liner under accidental conditions", *Nuclear Engineering and Design*, 228, pp. 261-272.
- [5] Ghods P., Alizadeh R., Chini M., Hosseini M., Ghalibafian M. and **Shekarchi M.** (2007) "Durability-based design in the Persian Gulf", *CI, Concrete Internationa*, Dec. 2007, pp. 50-55.
- [6] **Shekarchi M.** and Debicki G. (2007), Comportement thermo hydrique d'une paroi en béton: influence du type de béton, influence du type de chargement. *CJCE, Canadian Journal in Civil Engineering*, **34**, pp.1364-1370.
- [7] Alizadeh R., Ghods P., Hoseini M., Chini M., Ghalibafian M. and **Shekarchi M.** (2008), "Effect of Curing Conditions on the Service Life Design of RC Structures in the Persian Gulf Region", *ASCE, American Society of Civil Engineering, Journal of Materials in Civil Engineering*, 20 [1], pp. 2-8.
- [8] **Shekarchi M.**, Alizadeh R., Ghods P., Chini M., and Hosseini M. (2008), DuraPGulf, a local service life model for the durability of concrete structures in the south of Iran", *AJSE, The Arabian Journal for Science and Engineering, Saudi Arabic*, Vol. 33, No. 1B, pp. 77-88.
- [9] Libre N. A., Emdadi A., Kansa E. J., Rahimian M. and **Shekarchi M.** (2008), "A stabilized RBF collocation scheme for Neumann type boundary value problems", *CMES, Computer Modeling in Engineering and Sciences Journal*, Vol. 24. No.1, pp. 61-80.
- [10] Emdadi A., Kansa E. J., Libre N. A., Rahimian M. and **Shekarchi M.** (2008), "Stable PDE Solution Methods for Large Multiquadric Shape Parameters", *CMES, Computer Modeling in Engineering and Sciences Journal*, Vol. 25, No.1, pp 23-41.
- [11] Libre N. A., Emdadi A., Kansa E. J., **Shekarchi M.**, and Rahimian M. (2008), "A fast adaptive wavelet scheme in RBF collocation for near singular potential", *CMES, Computer Modeling in Engineering and Sciences Journal*, Vol. 38. No.3, pp.263-284.
- [12] Libre N. A., Emdadi A., Kansa E. J., **Shekarchi M.**, and Rahimian M. (2009), "A multiresolution prewavelet based adaptive refinement scheme for RBF approximations of nearly singular potential PDEs", *Engineering Analysis with Boundary Elements* 33, pp 901-914.
- [13] Libre N. A., Emdadi A., Kansa E. J. **Shekarchi M.** and Rahimian M. (2009), "Wavelet based adaptive RBF method for nearly singular Poisson-type problems on irregular domains", (*CMES*) *Computer Modeling in Engineering and Sciences Journal*, Vol. 50. No.2, pp.161-190.
- [14] **Shekarchi M.**, Rafiee A. and Layssi H. (2009), "Long-Term Chloride Diffusion in Silica Fume Concrete in Harsh Marine Climates", *Cement and Concrete Composites*, 31, pp. 769-775.

- [15] Farnam Y., M. **Shekarchi M.** and Mohammadi S. (2010), "Experimental and numerical investigations of low velocity impact behaviour of high-performance fiber-reinforced cement based composite", *International Journal of Impact Engineering*, 37, pp 220-229.
- [16] **Shekarchi M.**, Libre N. A. and Khoshnazar R. (2010), "Aggregate: a key ingredient of self consolidating concrete" *CPI, Concrete Plant International*, 1, pp. 56-67.
- [17] Libre N. A., Khoshnazar R. and **Shekarchi M.** (2010), "Relationship between fluidity and stability of self-consolidating mortar incorporating chemical and mineral admixtures", *Construction and Building Materials* 24, pp 1262-1271.
- [18] Ahmadi B. and **Shekarchi M.** (2010), "Use of natural Zeolite as a supplementary cementitious material", *Cement and Concrete Composites*, 32, pp. 134-141.
- [19] Moradi F., **Shekarchi M.**, Dousti A. and Mobasher B. (2010), "Investigation of corrosion damage and repair system in a concrete jetty", *Structure Journal of Performance of Constructed Facilities*, ASCE, Vol. 24, No. 4. pp. 294-301.
- [20] **Shekarchi M.**, Bonakdar A., Bakhshi M., Mirdamadi A. and Mobasher B. (2010), "Transport properties in metakaolin blended concrete", *Construction and Building Materials*, 24, pp 2217-2223.
- [21] Farnam, Y., Mousavi, M. **Shekarchi M.**, Babanejad S.K., and Bagherzadeh A. (2010), "Behaviour of Slurry Infiltrated Fibre Concrete (SIFCON) under triaxial Compression", *Cement and Concrete Research*, 40, pp. 1571-1581.
- [22] Baranilonbani O. Mostofinejaad D., Saadatpour M. M. and **Shekarchi M.** (2010), "Concrete Basic Creep Prediction Based on Time-Temperature Equivalence Relation and Short-Term Tests", *AJSE, The Arabian Journal for Science and Engineering*, Vol. 35, No. 2B, pp. 101-117.
- [23] Libre A., **Shekarchi M.**, Mahoutian M. and Soroushian P. (2011), *Mechanical Properties of Hybrid Fiber Reinforced Lightweight Aggregate Concrete Made with Natural Pumice*, *Construction & Building Materials*, Vol. 25, pp 2458-2464.
- [24] **Shekarchi M.**, Moradi Marani F. and Pargar F. (2011), "Corrosion damage of a reinforced concrete jetty structure in the Persian Gulf: a case study", *Structure and Infrastructure Engineering*, Vol. 7. Issue 9, pp 701-713.
- [25] Mohebi A., **Shekarchi M.**, Mahoutian M. and Mohebi Sh. (2011), "Modeling the effects of additives on rheological properties of fresh SCC cement paste using artificial neural network", *Computers and Concrete* Vol. 8, No. 3. pp. 279-292.
- [26] Tajari M., **Shekarchi M.** and Sadri A. (2011) "Use of impact echo technique for detection of distributed damage in concrete due to alkali-silica reactivity". *Materials Evaluation*, pp. 881-890.
- [27] Dousti A., **Shekarchi M.**, Alizadeh R., Taheri-Motalagh A. (2011), "Binding of externally supplied chlorides in micro silica concrete under field exposure conditions", *Cement and Concrete Composites*, Vol. 33, Issue 10, pp. 1071-1079.
- [28] Babanajad S. K., Farnam, Y. and **Shekarchi M.** (2012), "Failure criteria and triaxial behaviour of HPFRC containing high reactivity metakaolin and silica fume", *Construction and Building Materials*, Volume 29, April 2012, Pages 215-229.

- [29] Mahoutian M., **M. Shekarchi M.**, and Libre N. A. (2012), "Application of steel fiber reinforced lightweight aggregate concrete in underground mining", *Journal of Mining Science*, 2011, Vol. 47, No. 5, pp. 606-617.
- [30] **Shekarchi M.**, Ghassemzadeh F., and Sajedi S (2012). "Inverse analysis method for concrete shrinkage, Prediction from short-term tests", *ACI, Material Journal*, V. 109, No. 3, pp. 293-302.
- [31] **Shekarchi M.**, Yazdani M., and Mahoutian M. "Use of Biologically Treated Domestic Waste Water in Concrete tests", *kuwait journal of science engineering*, V. 1.
- [32] Khanzadeh, M., **Shekarchi M.**, and Hosseini M. (2012), "Time-dependent performance of concrete surface coatings in tidal zone of marine environment", *Construction and Building Materials*, Vol. 30, pp. 198-205.
- [33] Moradian, M., **Shekarchi M.**, Pargar, F., Bonakdar A. and Valipour M. (2012), "Deterioration of concrete caused by complex attack in sewage treatment plant environment" *Journal of Performance of Constructed Facilities*, Vol. 26, No. 1, 2012, pp 124-134.
- [34] Libre, N. A. Khoshnazar, R., and **Shekarchi M.** (2012), "Repeatability, responsiveness and relative cost analysis of SCC workability test methods", *Materials and Structures*, Published on line January 2012.
- [35] Vali Pour, M. Pargar, F. **Shekarchi M.**, and Khani S. (2012), " Comparing a Natural Pozzolan Zeolite to Metakaolin and Silica Fume in Terms of Their Effect on the Durability Characteristics of Concrete: A Laboratory Study ", *Construction Building Materials*, Vol. 41, pp. 879-888.
- [36] Rahmani, T. Kiani, B. **Shekarchi M.**, and Safari A. (2012), "Statistical and experimental analysis on the behavior of fiber reinforced concretes subjected to drop weight test ", *Construction Building Materials*, Vol. 37, pp. 360-369.
- [37] Abdollahi, A. Bakhshi, M. Mirzaie, Z. **Shekarchi M.**, and Motevali M. (2012), "SIFCON strengthening of concrete cylinders in comparison with conventional GFRP confinement method ", *Construction Building Materials*, Vol. 36, pp. 765-778.
- [38] Najimi, M. Sobhani, J. Ahmadi, B. and **Shekarchi M.** (2012), "An experimental study on durability properties of concrete containing zeolite as a highly reactive natural pozzolan ", *Construction Building Materials*, Vol. 35, pp. 1023-1033.
- [39] MehdiPour, I. Seyed Razaghi, M. Amini, K. and **Shekarchi M.** (2012), " Effect of mineral admixtures on fluidity and stability of self-consolidating mortar subjected to prolonged mixing time ", *Construction Building Materials*, Vol. 40, pp. 1029-1037.
- [40] Doust, A. Moradian, M. Taheri, R. Rashednia, R. and **Shekarchi M.** (2012), "Corrosion Assessment of reinforced concrete deck in a Jetty Structure damaged by chloride attack ", *Journal of Performance of constructed facilities* , Vol. 27, pp. 519-528.
- [41] Hallaji, M. **Shekarchi, M.** Pargar, F., Taheri, R. and Ghassemzadeh, F. (2012), "Corrosion damage diagnosis of a 44-year old ammonium nitrate prill tower in a petrochemical complex ", *Journal of Performance of constructed facilities* , Vol. 26, pp. 532-543.



- [42] Moradian, M. **Shekarchi, M.** Aabdollah, M. and Alidadi, R. (2012), "Assessment of Long-Term Performance of a 50-year-old Jetty of Iran", Journal of Performance of constructed facilities , Vol. 26, pp. 633-643.
- [43] MehdiPour, I. Libr, A. **Shekarchi, M.** and Khanjani M. (2013), "Effect of workability characteristics on the hardened performance of FRSCCMS ", Construction Building Materials, Vol. 40, pp. 611-621.
- [44] Sabet, F. Libr, A. and **Shekarchi, M.** (2013), " Mechanical and durability properties of self consolidating high performance concrete incorporating natural zeolite silica fume and fly ash ", Construction Building Materials, Vol. 44, pp. 175-184.
- [45] Abbasnia, R. **Shekarchi, M.** and Ahmadi, J. (2013), "Evaluation of concrete drying shrinkage related to moisture loss ", ACI Material Journal, Vol. 3, pp. 269-277.
- [46] Valipour, M. Pargar, F. **Shekarchi, M.** Khani, S. and Moradian, M. (2013), " In situ study of chloride ingress in concretes containing natural zeolite, metakaolin and silica fume exposed to various exposure conditions in a harsh marine environment ", Construction Building Materials, Vol. 46, pp. 63-70.
- [47] GhasemZadeh, F. Sajedi, S. **Shekarchi, M.** Laysi, H. and Halaji, M. (2013), "Performance Evaluation of Different Repair Concretes Proposed for an Existing Deteriorated Jetty Structure ", Performance of Constructed Facilities, Vol. 28, Issue 4.
- [48] Mehdipour, I. Vahdani, M. Libr, A. and **Shekarchi, M.** (2013), "Relationship between Workability and Mechanical Properties of Fiber Reinforced Self-Consolidating Mortar; a Fiber Factor Approach ", ICE, Vol. 65, pp. 1-12.
- [49] Valipour, M. Pargar, F. **Shekarchi, M.** Khani, S. and Moradian, M. (2013), "Study of chloride diffusion in different concrete under various exposure condition in harsh marine environments", Construction and Building Materials, Vol. 46, pp. 63-70.
- [50] Dousti, A. Rashtnia, R. Ahmadi, B. and **Shekarchi, M.** (2013), "Influence of exposure temperature on chloride diffusion in concretes incorporating silica fume or natural zeolite ", Construction and Building Materials, Vol. 49, pp. 393-399.
- [51] Valipour, M. Yekkalar, M. **Shekarchi, M.** and Panahi, S. (2013), "Environmental assessment of green concrete containing natural zeolite on the global warming index in marine environments ", Construction and Building Materials, Vol. 65, pp. 418-423.
- [52] Valipour, M. **Shekarchi, M.** and Ghods, P. (2013), "Comparative studies of experimental and numerical techniques in measurement of corrosion rate and time-to-corrosion-initiation of rebar in concrete in marine environments ", Cement and Concrete Composites, Vol. 48, pp. 98-107.
- [53] Ahmadi, B. **Shekarchi, M.** Sobhani, J. and Najimi, M. (2013), "Transport properties of ternary concrete mixtures containing natural zeolite with silica fume or fly ash", Magazine of Concrete Research, Vol. 66, Issue, 3.
- [54] Noori, A. **Shekarchi, M.** Moradian, M. and Mousavi, M. (2013), "Behavior of a steel Fiber Reinforced Cementitious Mortar (SFRCM) and HPC in Triaxial loading ", ACI Material Journal, Vol.112, pp.95-105.
- [55] Emdadi, A. Mehdipour, I. Libr, A. and **Shekarchi, M.** (2013), "Optimized workability and mechanical properties of FRCM by using fiber factor approach: theoretical and experimental study ", Materials and Structures, Under publication.

- [56] Ghurchian, S. Wyrzykowski, M. Lura, P. **Shekarchi, M.** and Ahmadi, B (2013), "An investigation on the use of zeolite aggregates for internal curing of concrete ", Construction and Building Materials, Vol. 40, pp. 135-144.
- [57] Moradian, M. Chini, M. and **Shekarchi, M.** (2014), "Durability Performance of a Structure Made with High-Performance Concrete and Prefabricated Elements in a Marine Environment", Journal of Performance of Constructed Facilities, Vol. 27, pp. 519-528.
- [58] Azari Jafari, H. Kazemian, A. Ahmadi, B, Berenjia, J. and **Shekarchi, M.** (2014), "Studying effects of chemical admixtures on the workability retention of Zeolitic Portland cement mortar", Construction and Building Materials, under publication.
- [59] Dousti, A. and **Shekarchi, M.** (2015), "Effect of Exposure Temperature on Chloride Binding in Cementing Materials", Magazine of Concrete Research, under publication.

## SUPERVISING AND ACTIVITIES

- RCC permeability, effects of pozzolans.
- Study of RCCP (Roller Compacted Concrete Pavements), effects of use of silica fume.
- Mass concrete technology for concrete dams under construction.
- Use of steel slag in civil engineering.
- Concrete durability under south Iranian conditions, effects of coating and mineral admixtures.
- Composition of Ultra High Strength Concrete, above 300MPa.
- Fibre reinforced concrete behaviour.
- ALAG concrete behaviour (Anti-Abrasion Concrete).
- Decorative concrete
- Shrinkage behavior of concrete
- Use of Impact Echo as a NDT method in concrete
- Study of AAR in concrete
- Self Compacted Concrete (SCC) characteristics
- Light weight aggregate concrete
- Flowable Fill concrete
- Use of nano-silice in concrete
- Corrosion in reinforced concrete

- Chloride penetration in Concrete
- Sulfate attack in Concrete
- QA/QC of concrete structures
- Heat analyze in concrete dams

## PROFESSIONAL SOCIETY MEMBERSHIPS AND SERVICES

- ICI (Iranian Concrete Institute) member 1999
- IEF (Iranian Engineering Foundation) member 1999
- ACI-International member 2000
- ACI-Faculty Network member 2001-2003
- ICI Board Alternate member 2004-2007
- High Council member of Alumni Association of Faculty of Engineering, University of Tehran, 2006
- ICI Board member 2007

## CONFERENCE ORGANIZING, SCIENTIFIC AND TECHNICAL COMMITTEE

- International Advisory of the Third International Conference of Construction Materials, ConMat'05, Vancouver, Canada, August 2005
- Scientific Committee Member of the 5th International Conference on Concrete under Severe Conditions, Environment and Loading, CONSEC'07, Tours, France, June 2007
- Organizer of the First Workshop of SCC in Iran, Tehran, Iran, Feb. 2007
- Scientific Committee Member of the Second International Symposium on Ultra High Performance Concrete, Kassel, Germany, March 2008
- Secretary of the Conference on Engineering Education in 2025, Tehran, Iran, May 2009
- Secretary of the first National Conference on Lightweight Concrete, Tehran, Iran, February 2012

## TEACHING

- Concrete Technology
- Construction Material Laboratory

- Advanced Concrete Technology
- Concrete Dams (coordinator)