Keynotes


Research Monograph Book and Book Chapters


Refereed Journal Papers


► Meng Ni, Modeling of a planar solid oxide fuel cell based on proton-conducting electrolyte. INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Vol. 34, No. 12, pp.1027-1041 (October 2010)


► Meng Ni, Electrolytic Effect in Solid Oxide Fuel Cells Running on Steam/Methane Mixture. JOURNAL OF POWER SOURCES, Vol. 196, No. 4, pp.2027-2036 (February 2011)


► Meng Ni, Thermo-electrochemical modeling of ammonia-fueled solid oxide fuel cells considering ammonia thermal decomposition in the anode. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Vol. 36, No. 4, pp.3153-3166 (February 2011)

► Jin Xuan, MKH Leung, DYC Leung, Meng Ni, Density-induced asymmetric pair of Dean vortices and its effects on mass transfer in a curved microchannel with two-layer laminar stream. CHEMICAL ENGINEERING JOURNAL, Vol. 171, No. 1, pp.216-223 (June 2011)

► Jin Xuan, MKH Leung, DYC Leung, Meng Ni, HZ Wang, A computational study of bifunctional oxygen electrode in air-breathing reversible microfluidic fuel cells. INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Vol. 36, No. 15, pp. 9231-9241 (July 2011)


► 樊宏钦 郭红领 金志刚 李恒 (2010). “BIM技术应用的机遇与挑战：香港建筑业实践情况”，土木建筑工程信息技术期刊，第二卷，第三期，2010.9
Refereed Conference Papers


► Meng Ni, Modeling of High Temperature Fuel Cell Running on Methane/Steam Mixture. Asian SOFC Symposium, Kyoto, Japan, 5-7 September 2010 (September 2010)


► Meng Ni, Modeling of protonic ceramic fuel cells. In Dr. M. Marrony, Dr. J. Dailly, Dr. Nathalie Cros, ed., International Workshop on Protonic Ceramic Fuel Cell and Steam Electrolysis: Status & Prospects, Montpellier, France, 3-4 November 2011 (November 2011)


Technology Transfer / Consultancies / Patent, etc.

- Shen QP, Consultancy services for conducting a value management workshop on the design and installation of passenger gangways for the Kai Tak Cruise Terminal, Electrical and Mechanical Services Department, HKSAR Government

- Shen QP, Design and facilitation of integrated workshop (value management, risk management, integrity and partnering) for the design and construction of rank and file quarters for Immigration Department, Architectural Services Department, HKSAR Government

Recognition (local / regional / international)

**Academic Collaboration**

- Dr. Meng Ni has one collaborative research project with Prof. Changrong Xia from University of Science and Technology of China.

**Research Grants Acquired**

- Michael Yam, A Study of a Stiffened Extended End-Plate Connection with Nitinol Shape Memory Alloy Bolts Subject to Cyclic Loading, Research Grants Council, GRF (HKSAR) at HK$677,221

- Meng Ni, Changrong Xia, 3D Microstructure Reconstruction and Pore-scale Simulation of Heterogeneous Porous Cathodes of Solid Oxide Fuel Cells with Proton Conducting Electrolyte, HK RGC, GRF, HKD 681, 195.

- Albert Chan PY. Anti heat stress clothing for construction workers in hot and humid weather (RGC General Research Fund) 2012-2014. HK$1,166,186.00

**Others**

**Service to Government Appeal Boards/Committees:**

**Construction Contracting and Regulatory Innovations:**

- Michael Yam
  - Housing and Built Environment Subject Area, HKU SPACE (Sep.2010 – Aug 2013) External Examiner
  - Hong Kong Institution of Engineers (HKIE), Professional Assessment (Building Discipline), 2009-2010 Assessor
  - Building Division, Hong Kong Institution of Engineers (HKIE), (July 2010 – June 2013) Member
Structural Engineers Registration Committee, Buildings Department, the HKSAR Government (January 2010 - Dec 2011) Member


Diploma in Vocation Education (Construction), Vocational Training Council, Hong Kong. (2009/10 – 2011/12) External Examinor

Editors/Editorial Board Members for International Journals:


► Heng Li, Member of Editorial Board of International Journal of Construction Innovation

► Heng Li, Member of Editorial Board of International Journal of IT in Architecture, Engineering and Construction

► Heng Li, Member of Editorial Board of International Journal of Architectural Engineering and Design Management: an International Journal

► Heng Li, Member of Editorial Board of Information and Logistics Management.

► Heng Li, Member of Editorial Board of Construction Management and Economics.

► Chan E.H.W., Editorial Advisor Board (2007- ) of the HKIA Journal, The Official Journal of the Hong Kong Institute of Architects, HKIA, 19/F One Hysan Avenue, Causeway Bay, Hong Kong.


► Daniel W.M. Chan, Member of Editorial Board of The Open Construction and Building Technology Journal (TOCBTJ) (ISSN: 1874-8368) since 2008

► Geoffrey SHEN QP

► Building Research and Information (2010-present)

► ASCE Journal of Management in Engineering (2010-present)
Construction Innovation: Information, Process, Management (2008-present)

International Journal of Construction Project Management

International Journal of Excellence in e-Solutions for Management

Journal of Civil Engineering and Management (2007-present)

The Built & Human Environment Review

International Journal of Project Organisation & Management

Built Environment Project and Asset Management (2010-present)

The Open Construction and Building Technology Journal

Smart and Sustainable Built Environment (2011-present)

Meng Ni

Meng Ni, Member of Editorial Board for Energy and Power Engineering, Vol. 3, No. 1-4, Scientific Research Publishing, Inc., USA,

Meng Ni, Member of Editorial Review Board, International Journal of Manufacturing, Materials and Mechanical Engineering, Vol. 1, No. 1-3, IGI Global, Hershey, PA 17033, USA.