|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |
| --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
|

|  |
| --- |
| http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/0db390dcc45304f6bac64093a0e2c922/image/jpeg |
| **April 2012  ISHMII Membership Notes**  |

 |

 |
|

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |
| --- |
| **President's Letter**http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/430fa17405002e6766b5d792ca2d7ad5/image/jpeg Dear ISHMII Members and Friends,***Heritage Structures, Climate Change and Extreme Events***These words should catch our attention.  At the same time that our planet is experiencing sharp changes in its climate and extremes in natural events, including stronger and more frequent earthquakes, the European Commission has decided to remove the cultural heritage research it previously funded from the [8th EU Framework Programme for Research and Innovation, HORIZON 2020](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fec.europa.eu%2Fresearch%2Fhorizon2020).Our colleagues who notified me about this change to HORIZON 2020 also pointed out, positively, that a steady record of support for cultural heritage research by the EU, beginning in 1986, has produced 200 successful projects, making it an international model for damage mitigation.  One of those projects is “Climate for Culture” (Project No. 226973, 2009-2014).  They wrote that this body of work “assesses the damage potential of climate change on our cultural heritage, its socio-economic impact as well as the possibilities of mitigation. For the first time ever, high resolution climate evolution scenarios will be coupled with whole building simulation models in order to identify the most urgent risks for specific regions and to develop mitigation strategies.”This is exciting work with world-wide investigative implications. I would like to add my voice to this issue.   http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/587f429db8677009ed58a58a96245c36/image/jpeg*The Ponte Vecchio (Florence, Italy), a Roman bridge originally built circa 996 has been damaged by wars, swept away by floods and repaired many times.  It remains a tourist attraction and home to merchants.* We have learned much from the great number of historic sites that have survived the test of time and calamity, even war, but who knows how many of heritage structures we have lost in thepast due to such events.  Each structure or site that remains provides an opportunity for us to learn from it, whether we are engineers, archeologists, historians, or in other fields of research.  These sites are vulnerable.  Without research funds and government support to protect heritage structures and sites, whether in Europe or elsewhere, we will be deprived of that opportunity.  http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/2aaed0d3e3f93f9b8d036c68909bad73/image/jpeg*The Alcántara Bridge or Puente Trajan at Alcantara, Spain,a Roman stone arch bridge built between 104 and 106 CE by Roman Emperor Trajan, bears the inscription* *"Pontem perpetui mansurum in saecula"* *I have built a bridge which will last forever.* Of course, with funding, we also have a chance to be protectors of the sites.  We can study them and retrofit monitoring systems, and, ultimately, save these sites for future generations.  ISHMII had realized the importance of heritage structures, and a full CSHM workshop was devoted to the subject matter in August of 2010 (CSHM-3, Ottawa, Canada) organized by Aftab Mufti and Nemkumar Banthia.  Across the millenniums, structures have been built that still stand.  Some are even still in use.  We are amazed.  We should stand as defenders of heritage sites. http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/e9ab62457c1264ef3abb3db849855d5f/image/jpeg*The Si-o-se Pol or Bridge of 33 Arches (Esfahan, Iran) is a famous example of Safavid bridge design.  Commissioned in 1602, it is still in service under heavy truck traffic loads.* I invite you to visit [www.ipetitions.com/petition/cultural-heritage-research\_8th-framework-programme/](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ipetitions.com%2Fpetition%2Fcultural-heritage-research_8th-framework-programme%2F) where more information about these concerns can be had.  http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/675b3fb55f062dbcc8d529db2f422755/image/jpeg Last month, I reported that ISHMII will soon alter one component of its leadership and management.  The Executive Committee will be restructured as a three person committee composed of vice presidents who will address issues including membership and organizational growth, member education and finances.  In November 2012, one of these vice presidents will step up as the incoming president, to be inaugurated during SHMII-6 in December 2013.  All four of us will work closely to make certain that ISHMII becomes an even stronger organization and advocacy vehicle for civil structural health monitoring.[The ISHMII Council has 44 members](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fcontact-2%2Fcouncil).   Today, I wish to introduce you to those Council members who have been nominated by their peers to assume these vice presidencies.  Each has an exemplary career, full of responsibilities and achievements.  With it with great respect, that I thank each of them and the Council as a whole for their volunteerism and leadership. http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/675b3fb55f062dbcc8d529db2f422755/image/jpeg One of the benefits of ISHMII membership is that you hear about and receive reduced registration fees for workshops and conferences.  On behalf of ISHMII, I invite you to attend CSHM-4, the November 2012[Workshop on *SHM Systems Supporting Extension of the Structures’ Service Lif*](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.cshm-4.com%2FHome.aspx)*e*, to be held in Berlin, Germany, which is an official ISHMII Workshop.   ISHMII also endorses or co-sponsors the workshops of colleagues around the world.  We hope that we will see you in Berlin and at other educational events. http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/675b3fb55f062dbcc8d529db2f422755/image/jpeg Finally, a reminder.   ISHMII needs your continued support.  Your membership dues make it possible to publish the [*Journal of Civil Structural Health Monitoring*](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fjcshm) and to bring [*The Monitor*](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fthe-monitor%2Fnewsletter) and [*Membership Notes*](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fthe-monitor%2Fmembership-notes) to you.  If you have not renewed your membership for 2012 or have questions regarding your membership status, please contact Charleen Choboter in our ISHMII Central office.  With best wishes, ***Farhad Ansari***, President  |
|   |

|  |
| --- |
| **Join ISHMII*****Be Our Voice***http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/5027e59690092fb988615f55beedde36/image/jpeg **2012 Membership Renewals** **and New Memberships are Available at** [**ISHMII.org**](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fmembers) **Individual  $125****Corporate  $350 (4 individuals)****Student      Free with verification of student status** Members are asked to log-in to access the renewal site and are invited to update their profile.  |
|   |

|  |
| --- |
| http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/bb0e5bcbf0627d707a46b850abec3e94/image/jpeg**Come to CSHM-4** **November 6-8, 2012*****SHM Systems Supporting Extension of the Structure's Service Life******CALL for PAPERS*****Abstract Submission Deadline:** **April 30, 2012.**[**Click Here for Guidelines or to Submit an Abstract**](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.cshm-4.com%2FPaperRegistration.aspx) [***Visit the CSHM-4 Web Site***](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.cshm-4.com%2FHome.aspx) |
|   |

|  |
| --- |
| http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/23b45be9d741087782debec0e693b0ac/image/jpeg***Be Informed*****Volume 3-4 of the JCSHM is now available online to members through** [**ISHMII.org**](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fjcshm)**Submissions to the JCSHM are accepted through the *Journal’s*** [**Editorial Manager**](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=https%3A%2F%2Fwww.editorialmanager.com%2Fcshm%2F) **Springer offers a free** **Table of Content AlertService** **when a new issue is published online.**  ***Just*** [***click on the Journal’s homepage***](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.springer.com%2F13349) ***and enter your e-mail address in the box on the lower right side*.**  |
|   |

|  |
| --- |
| http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/f2ddc7654a3527c4cc610f1928a28f26/image/jpeg**ISHMII CAREERS is a listing of CSHM positions found at**[**Membership & Community-Careers**](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.ishmii.org%2Fmembers) **Please direct postings to** **NancyC@ISHMII.org** **Members must log-in to access** **ISHMII CAREERS**  |
|   |

|  |
| --- |
| ISHMII gratefully acknowledges www.Wikipedia.org as the source of the photographs and historic information included in the photo captions in Dr. Ansari's Letter, above.  |
|   |

|  |
| --- |
| http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/0db390dcc45304f6bac64093a0e2c922/image/jpeg |

 |

 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|

|  |
| --- |
| **Executive Committee Leadership****Meet the Candidates** It is our pleasure to introduce the ISHMII Council members who have been nominated to the Executive Committee.  That election will take place shortly.  Each of the three Executive Committee members will hold the title of Vice President and will serve in a task-oriented area of oversight.  Whether learning about the finances of the organization, finding new ways to expand the membership and serve members or bring more educational resources to members, each vice president is bound to find that their responsibilities build on those of one another.  They will take on an active role in the growth of ISHMII.Later this year, ISHMII will begin another transition.  As Dr. Farhad Ansari prepares to hand over the office of president to his successor in December 2013, there will be a one year period in which a president-elect will work closely with him to ensure a flawless exchange.   That president-elect will come from the Executive Committee.Of the candidates for vice president, all are members of the ISHMII Council.  Each has a substantial reputation as an innovator in his or her fields and is well-published.  Each has also served other organizations as a member or Fellow and by holding offices or taking active roles in technical, organizing or other committees.  They know the meaning of service.  Below are brief, select highlights from their biographies to illustrate the breadth of knowledge and talent represented by these dedicated leaders.  None of these biographies is complete, of course.  Their funded and cutting-edge research, publications, teaching, and service goes beyond what can be captured here.**Vice President of Membership and Organizational Growth**http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/4c0766421d8ebee92c05d5d030c79a07/image/jpeg**James Brownjohn** is a [Professor of Structural Dynamics](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.sheffield.ac.uk%2Fcivil%2Fstaff%2Facademic%2Fjmb) at the University of Sheffield (UK) and a founding director of Full Scale Dynamics Ltd., a University spin-off. His academic career has revolved around the experimental assessment of the performance of civil structures using full-scale dynamic testing, long-term monitoring and shaking table testing. His research and interests include wind and earthquake engineering, SHM, finite element model updating, vibration serviceability, system identification, and biomechanics. His experience with ambient vibration testing and operational modal analysis using minimal portable equipment is a complement to the forced vibration testing approach traditionally used by the Vibration Engineering Section, of which he is a member.  Dr. Brownjohn is involved in promoting developments in SHM through SAMCO and the ASCE Committee on Structural Identification of Constructed Systems. He headed the 2011-2012 ISHMII Task Force on CSHM References.   http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/6fc8751dd67117852dccd8606246bc4e/image/jpeg**Alessandro De Stefano** is a [Professor in the Department of Structural, Geotechnical and Buildin](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fareeweb.polito.it%2Fricerca%2Fdynquake%2Faboutus%2Fdestefano_eng.html)g Engineering at Politecnico di Torino (Italy). With research interests in earthquake engineering (historical building protection, passive control), experimental dynamics, SHM, and system resilience, he is a consultant to the regional administration for earthquake engineering and a co-inventor of a newly-patented technology for seismic isolation applications at historical heritage sites.  Dr. De Stefano is a member of a National Technical Norm committee for masonry arch bridges safety and has professional affiliations with SAMCO, ASCE, IALLCE, IABMAS, and ICOMOS. He was the national coordinator for a number of supported R&D projects. With worldwide international scientific links, he is a key partner in the EU FP7 project IRIS.  He was also the organizer of ISHMII’s CSHM-2 workshop and is a co-organizer of SHMII-7 (2015), to be held in Turin.  http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/4278b87c8f46c445fce0cd7cda607eec/image/jpeg**Didem Ozevin** is an [Assistant Professor of Civil and Materials Engineering](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.uic.edu%2Fdepts%2Fcme%2Fpeople%2Ffaculty%2Fozevin.html) at the University of Illinois at Chicago (USA). Dr. Ozevin worked as a field engineer.  As a research scientist at the Mistras Group, she developed mathematical algorithms for real-time damage detection in structures. Her research includes quantitative acoustic emissions using multiphysics models, dynamic source models for composites, nonlinear acoustics, a family of MEMS sensors, and pipeline leak detection.  Her activities include participation on the NSF Panels on Sensors and Systems, the SPIE Smart Structures/NDE Conference, membership on the Acoustic Emission Working Group and in the ASCE, ASTM, and ASNT, including its Acoustic Emission sub-committee.  Dr. Ozevin has served as a reviewer for the *Journal of Bridge Engineering*, *Journal of Sound and Vibration*, *Journal of Constructional Steel Research*, ASME *Journal of Pressure Vessel Technology*, and the *International Journal of SHM*.**Vice President of Finance**http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/22fc2552bba2e5d3817f601fdbe6aebc/image/jpeg**Wolfgang R. Habel** began his career in high-power energy transmission and later joined the German Academy of Building, the Institute for Rehabilitation and Modernization of Structures at the Technical University of Berlin and then the [BAM Federal Institute for Materials Research and Testing, Berlin](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.bam.de%2Fen%2Fkompetenzen%2Ffachabteilungen%2Fabteilung_8%2Ffb86%2F) (Germany). He has been engaged in R&D on fiber-optic sensor technology for monitoring of structures and characterization of materials for 30 years.  He leads or co-chairs application-oriented R&D projects for research groups and national and international societies including DGzfP, VDI, RILEM, and COST. His research focuses on the use of fiber-optic AE sensors and the development of guidelines and standards for definition, characterization and appropriate application of fiber-optic sensors.  He is also a member of several expert committees for the Society of Automotive Engineers (SAE) and German Society for Non-Destructive Testing. He is the organizer of ISHMII’s upcoming CSHM-4, to be held in Berlin in November 2012, and is a current Executive Committee member.http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/c409a2e128da6cf418b8b9656f82c525/image/jpeg  **Vistasp M. Karbhari** is the Executive Vice President for Academic Affairs and Provost at the University of Alabama in Huntsville (USA), where he also serves as a [Professor in Mechanical and Aerospace Engineering and Civil and Environmental Engineering](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.uah.edu%2Feng%2Fdepartments%2Fmae%2Fpeople%2Fmae-faculty%2F16-main%2Fengineering%2Fcivil-and-environmental%2F693-cee-karbhari).  Dr. Karbhari’s expertise is in composite materials, manufacturing science, durability, infrastructure renewal, multi-threat mitigation, fracture and crash-energy management, and sustainability.  He has served as the PI or co-PI on over $38M in research projects, plus projects related to institutional and educational objectives.  Dr. Karbhari currently serves as the American editor for the *International Journal of Materials and Product Technology*, the associate editor for the Journal of Civil Structural Health Monitoring, and is on the editorial board of *Composite Structure*s, the ASTM *Journal for Testing and Evaluation*, *International Journal of Sustainable Materials and Structural System*s, Structural Engineering and Mechanics, and *Recent Patents on Materials Science*.   **Vice President of Member Education** http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/267f3a732786ddb598189caf3caedbe3/image/jpeg**Pradipta Banerji**, the Director (President) of Indian Institute of Technology – Roorkee (India), was previously a Dean and [Professor of Civil Engineering at IIT Bombay](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.civil.iitb.ac.in%2F%257Epbanerji%2F).  He specializes in earthquake engineering and SHM.  He has been an expert consultant to organizations in India and abroad, particularly in the fields of earthquake engineering, vibration control, bridge design and SHM. He is a member of many professional societies as well as the Committee for Capacity Building of the World Federation of Engineering Organizations under UNESCO, and a member of the African Science Committee under the Nelson Mandela Foundation.  Dr. Banerji is a member of the Central Board of Railway Research for the Indian Railways, and the Governing Academic and Administrative Board for the Africa University of Science & Technology, under the aegis of World Bank Institute.  He is currently organizing a CSHM workshop on highway and railway bridges.http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/22dd8ecb00ed543e741234d8345f2ae2/image/jpeg[**Nemkumar Banthia**](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.civil.ubc.ca%2Fpeople%2Ffaculty%2Ffaculty-banthia.php) is a professional engineer and a [Professor of Civil Engineering](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fwww.civil.ubc.ca%2Fpeople%2Ffaculty%2Ffaculty-banthia.php), Distinguished University Scholar and a Canada Research Chair at the University of British Columbia (Canada). Dr. Banthia conducts research on cement-based and polymer-based fiber reinforced composites with emphasis on testing and standardization, fracture behavior, strain-rate effects, and durability and development of sustainable materials.  He pioneered the process of structural repair and strengthening using sprayed fiber reinforced polymers for structural rehabilitation. He has developed a number of novel fibers for concrete and shotcrete reinforcement.  Dr. Banthia chairs the ACI committee on fiber reinforced concrete, RILEM Technical Committee on FRP-Concrete Bond, and the Canadian Standards Association Durability Committee of the Highway Bridge Design Code.  He is a fellow of the ACI, the Canadian Society for Civil Engineering, the Indian Concrete Institute and the Canadian Academy of Engineering.   He co-chaired ISHMII’s CSHM-2.http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/cf74a06261404bfdb22694015b9b29b7/image/jpeg**Jinping Ou** is the [President of Dalian University of Technology](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fsmc.hit.edu.cn%2Ffaculty%2Fjpou%2Findex.html) (People’s Republic of China), a Professor and past-vice president for research and then for international affairs at Harbin Institute of Technology as well as a member of the Chinese Academy of Engineering.  Professor Ou conducts research in smart sensors and sensor technologies and, as a leader in SHM systems and their applications, he has proposed design approaches of intelligent SHM systems for infrastructures and the optimal placement of sensors. He promotes the applications of SHM in long-span bridges, offshore platforms and buildings.   The software for safety evaluation and maintenance in offshore platforms developed by Dr. Ou is used in monitoring for disasters including hurricanes and earthquakes.  He also proposed the integrated life-cycle performance-based design approaches in which durability, fatigue damage, earthquake damage, hurricane hazards and other emergent events are synthetically considered. He serves in many international scientific societies.  Dr. Ou chaired the SHMII-2 conference.http://staticapp.icpsc.com/icp/loadimage.php/mogile/903931/3a808aeb580eb9d6c26ef8e756ec93b4/image/jpeg**You-Lin Xu** is the [Head of Civil and Structural Engineering](http://click.icptrack.com/icp/rclick.php?d=foSoxV_DrpD5DPDAzLgBwHnqqc5_HgBQ&w=3&destination=http%3A%2F%2Fmyweb.polyu.edu.hk%2F%257Eceylxu%2Fylxu.htm), Chair Professor of Structural Engineering and Director of Research Centre for Urban Hazards Mitigation at The Hong Kong Polytechnic University (Peoples Republic of China).  Dr. Xu has been involved in education, research, consulting and management in civil engineering for three decades. He has been serving ISHMII enthusiastically in various roles for many years and has conducted many projects in civil SHM. Recently, he co-authored “Structural Health Monitoring of Long-span Suspension Bridges” with Dr Xia, published by Spon Press. He has received several prestigious awards, including the 2012 Robert H. Scanlan Award from ASCE.   His research investigates the impact of wind loading and wind effects on tall buildings and long-span bridges, SHM and damage detection of civil structures, seismic loading and seismic effects on buildings and structures, and structural vibration control and smart structures.  He is an organizer of the SHMII-6 Conference to be held in Hong Kong in 2013. |
|   |

|  |
| --- |
|   |
|   |

 |

 |

 |

 |

 |

