Institute for Operations Research and the Management Sciences

QSR News

http://www.informs.org/site/qsr

November 2015

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A Message from the Chair

Dear QSR section members,

Greetings! First of all, I would like to express my sincere appreciation for all of your support to the QSR section. This year's INFORMS annual meeting will be held in Philadelphia, PA from November 1 to November 4. The QSR business meeting will be held on Monday, November 2 from 6:15pm to 7:15pm in room 202A of the Convention Center. On behalf of the QSR officers, I would like to welcome every one of you to the meeting. This will probably be the best time for us to get together, share our ideas and have a discussion on our section's future efforts.

The QSR cluster continues to be one of the largest clusters in the INFORMS annual meetings! We have another magnificent year in INFORMS 2015 with 47 sessions, including 30 research sessions, one QSR refereed session, two QSR student sessions (best student paper competition and student interaction/poster competition), six journal sponsored sessions (two IEEE TASE, one IEEE Intelligent systems, one JQT, one IIE transactions, one Quality engineering), seven panel sessions (IOT, publishing, big data, funding opportunities and three DDDAS sessions). These sessions cover a broad spectrum of topics, such as data fusion, healthcare, energy, SPC and monitoring, data analytics, reliability, maintainability, quality, game theory, Bayesian methods, sensor informatics, and system modeling. Such a wide array of sessions bears testimony to the fact that researchers of the QSR community have had another highly productive year.

One of the new efforts undertaken by the QSR community this year is the organization of a refereed track best paper session. The idea behind organizing such a session was originally brought up by our advisory committee member Professor Russell Burton, and has been implemented for the first time by a committee consisting of Haitao Liao, Hui Yang and Tirthankar Dasgupta. Three papers have been shortlisted for presentation in the refereed track session to be held at this year's annual INFORMS meeting in Philadelphia on Sunday, November 1 during 11 AM to 12:30 PM. A panel of judges consisting of senior QSR members (advisory board members and past chairs) will make a decision on this year's best QSR refereed paper. The winner will be announced at the QSR business meeting. The selected papers will also be eligible for submission to a leading journal in the field of Quality and Reliability (to be announced at our business meeting) where they will be considered for possible publication.

Another new effort involves a substantial expansion of the Student Introduction and Interaction session that was introduced in INFORMS 2014. In this session organized by Kaibo Wang and Hui Yang, each student will have a short time to deliver an elevator speech about his/her research interests and accomplishments. A Student Poster Competition, an entirely new effort, will also be held in the same room, parallel to this introduction session. A winner will be selected by a panel of judges and will be announced at the QSR business meeting. A special lunch gathering is being arranged after the session for students to interact with each other and also with invited guests. The Student Introduction and Interaction session and the Best Student Poster Competition have received generous support from the following institutes and organizations (in alphabetic order): Georgia Institute of Technology, Hong Kong University of Science and Technology, IBM Research, Northwestern University, Pennsylvania State University, Tsinghua University, University of Arkansas, and University of Michigan. We are grateful to the sponsors for making our students' trips to the INFORMS conference more fruitful.

I would also like to particularly highlight the QSR Best Student Paper Competition session. This year, we have identified four finalists from a pool of 12 participating students. Our sincere thanks to Dr. Eunshin Byon for organizing this session and overseeing the double-blinded review process involving eleven referees. The finalists will present their papers on November 2 (Monday) at 8:00am. The winner will be selected by a panel of judges and will be announced at our business meeting.

It is no surprise that QSR continues to be a prominent professional organization of our discipline. I am sure we will keep growing and playing an important role in both cutting-edge research and education in years to come. Undoubtedly, the QSR section will continue to be the leader when it comes to overcoming stiff technical challenges in data analytics, experimental design, reliability engineering, quality engineering, healthcare, additive manufacturing and nanomanufacturing in these exciting times.

I look forward to seeing you all in Philadelphia and thank each and every one of you for your dedication to QSR.

With Best Regards,
Tirthankar Dasgupta

San Francisco Conference Review

INFORMS Annual Meeting, November 9-12, 2014

The 2014 Annual Meeting in San Francisco featured a QSR Sponsored Cluster with 39 sessions (four of which were co-sponsored with other groups) that spanned the entire duration of the conference. Our section's relationship with leading relevant journals continued to be strong with invited sessions sponsored by *IIE transactions* and *Technometrics*. We also organized a panel discussion session together with DM on Funding Opportunities and a panel discussion on publication in quality and reliability in which the editors of *IIE transactions* and *Technometrics* served as panelists.

Our sessions covered a broad spectrum of topics related to QSR, such as data fusion, sensors, SPC and monitoring, data analysis, Big & Complex Data Problems, reliability, predictive and condition based maintenance, Bayesian methods and system modeling. We also had four sessions co-sponsored with other INFORMS clusters and non-INFORMS societies.

The Annual Meeting in San Francisco also included finalist presentations for the 2014 QSR Best Student Paper Award. The winner was **Yuan Yuan** from University of Wisconsin Madison for her article entitled "Non-crossing Quantile Regression Porcesses based on Monotone B-splines". Other 2014 finalists included **Dingguo Hua** (Rutgers University), **Mingyang Li** (University of Arizona), and **Dadi Xing** (Purdue University).

Here are this year's finalists that will make presentations in Philadelphia, and be recognized at our business meeting:

- **Kaveh Bastani**, Virginia Tech, "An Online Sparse Estimation-based Classification (OSEC) Approach for Real-time Monitoring in Additive Manufacturing Processes Using Heterogeneous Sensor Data".
  Advisor: Zhengyu (James) Kong
- **Yan Jin**, University of Washington, "Diagnostic Monitoring of Multivariate Process via a LASSO-BN Formulation".
  Advisor: Shuai Huang
- **Yanjun Qian**, Texas A&M University, "Multi-stage Nanocrystal Growth Identifying and Modeling via in-situ TEM Video".
  Advisor: Yu Ding
- **Junbo Son**, University of Wisconsin Madison, "RUL Prediction Based on Noisy Condition Monitoring Signals using Constrained Kalman Filter".
  Advisor: Shiyu Zhou

2014 QSR Best Student Paper Award winner Yuan Yuan with Haitao Liao (left) and Hui Yang (right)

Member Updates

- ***Honors and Awards Received***

Eunshin Byon received the 2015 Best Application Paper Award in IIE Transactions Focused Issue on Quality and Reliability Engineering with her paper, "Wind Turbine Operations and Maintenance: A Tractable Approximation of Dynamic Decision-Making", *IIE Transactions*, Vol. 45(11), pp. 1188-1201.

Youngjun Choe received Mary G. and Joseph Natrella Scholarship from Quality and Productivity Section in the American Statistical Association (ASA), for his academic achievement and commitment to quality improvement through statistical methods.

Jianguo Wu received the STARS award from the University of Texas System ($200,000).

Hao Yan received the Best Student Paper Award in the Industrial and Systems Engineering Research Conference (ISERC) in the Quality Control and Reliability Engineering (QCRE) division, 2015.

Hao Yan received the Best Student Paper Award in the INFORMS Data Mining Subdivision, 2014.

Hui Yang received 2015 Outstanding Faculty Award from the University of South Florida.

Hui Yang received the NSF CAREER award for the proposal entitled "CAREER: Sensor-based Modeling and Control of Nonlinear Dynamics in Complex Systems for Quality Improvements in Manufacturing and Healthcare", 2015-2020.

Yun Chen and Hui Yang received the Best Track Paper Award in Computer and Information Systems from ISERC 2015, Nashville, Tennessee.

• *Grants Received*

Linkan Bian received two grants ($130,000 and $150,000) from FedEx Express.

Linkan Bian received a grant ($600,000) with Hugh Medal, Mohammad Marufuzzaman, and Song Zhang from the Pacific Northwest National Laboratory.

Eunshin Byon (CMMI-1536924, $163,316) received a grant from National Science Foundation, for the proposal entitled "Collaborative Research: Collaborative Degradation Analysis for Enterprise-Level Maintenance Management via Dynamic Segmentation".

Nagi Gebraeel and **Kamran Payanbar** received a grant from National Science Foundation, for the proposal entitled "A Prognostic Modeling Methodology for Multi-Stream Degradation-based Signal".

Qiang Huang received a grant (CMMI-1544917, $350,000) from National Science Foundation, for the proposal entitled " CPS: Synergy: Collaborative Research: Smart Calibration Through Deep Learning for High Confidence and Interoperable Cyber-Physical Additive Manufacturing Systems".

Arman Sabbaghi received a grant (CMMI-1544841, $300,000) from National Science Foundation, for the proposal entitled " CPS: Synergy: Collaborative Research: Smart Calibration Through Deep Learning for High Confidence and Interoperable Cyber-Physical Additive Manufacturing Systems".

Shuai Huang (CMMI-1536398, $186862) received a grant from National Science Foundation, for the proposal entitled "Collaborative Research: Collaborative Degradation Analysis for Enterprise-Level Maintenance Management via Dynamic Segmentation".

Shuai Huang received a grant from the Helmsley Foundation for Type 1 Diabetes research in partnership with the Pacific Northwest Diabetes Research Institute.

Kamran Paynabar received a grant from Boeing, for the proposal entitled "Variation Analysis in Composite Manufacturing".

Prahalad Rao received a grant (CMMI 1538059, $217,970) from National Science Foundation, for the proposal entitled "Biosensor Data Fusion for Real-Time Monitoring of Global Neurophysiological Function".

Hui Yang received a NSF I-corps grant for the proposal entitled "Mobile and E-network Smart Health (MESH)", 2014-2015.

• *Ph.D. Degrees Earned*

Nida Chatwattanasiri (2015), "Stochastic Cost, Reliability and Maintenance Optimization Considering Uncertain Future Usage Scenarios" Ph.D. Dissertation, Department of Industrial & Systems Engineering**,** Rutgers University, Advisor: David Coit. Current position: Researcher, National Electronics and Computer Technology Center (NECTEC), Pathum Thani, Thailand.

Dongping Du (2015), "Physical-Statistical Modeling and Optimization of Cardiovascular System" Ph.D. Dissertation, University of South Florida, Advisor: Hui Yang. Current position: tenure-track assistant professor in the Department of Industrial Engineering at Texas Tech University.

Devashish Das (2015), "Statistical Monitoring Methods based on Hierarchical Statistical Models and Information Theoretic Measures" Ph.D. Dissertation, University of Wisconsin Madison, Advisor: Shiyu Zhou. Current position: Research Associate, Healthcare Systems Engineering, Mayo Clinic.

Gang Liu (2015), "Spatiotemporal Sensing and Informatics for Complex Systems Monitoring, Fault Identification and Root Cause Diagnostics" Ph.D. Dissertation, University of South Florida, Advisor: Hui Yang.

Yazhuo Liu (2015), "Patient Populations, Clinical Associations, and System Efficiency in Healthcare Delivery System" Ph.D. Dissertation, University of South Florida, Advisors: Jose Zayas-Castro and Shuai Huang.

Mohammad Sima (2015), "Physics-Based Simulation and Reliability Modeling for Multi-objective Optimization of Advanced Cutting Tools in Machining Titanium Alloys" Ph.D. Dissertation, Department of Industrial & Systems Engineering, Rutgers University, Advisors: David Coit and Tugrul Ozel. Current position: Visiting Assistant Professor, Lamar University, Beaumont Texas.

Jianguo Wu (2015), "Statistical Analysis, Monitoring and Control of the Production of High Performance Lightweight Metal Matrix Nanocomposites" Ph.D. Dissertation, University of Wisconsin Madison, Advisor: Shiyu Zhou. Current position: tenure-track assistant professor in Department of Industrial, Manufacturing, and Systems Engineering at the University of Texas at El Paso.

• *Promotions and News*

Dan Apley will be the next Editor-in-Chief of Technometrics from 2016.

Dongping Du joined the Department of Industrial Engineering at Texas Tech University as a tenure track Assistant Professor.

Adiel T. de Almeida Filho published a book on Hillier's International Series in Operations Research & Management Science at Springer titled "Multicriteria and Multiobjective Models for Risk, Reliability and Maintenance Decision Analysis".

Mingyang Li joined the Department of Industrial and Management Systems Engineering at The University of South Florida as a tenure track Assistant Professor.

Haitao Liao joined the Industrial Engineering Department at the University of Arkansas in the Fall of 2015 as a Professor and Hefley Endowed Chair Professor in Logistics and Entrepreneurship.

Fugee Tsung will be the next Editor-in-Chief of Journal of Quality Technology from 2016.

Jianguo Wu joined the Department of Industrial, Manufacturing, and Systems Engineering at the University of Texas at El Paso as a tenure track Assistant Professor.

Hui Yang was promoted to Associate Professor in the Harold and Inge Marcus Department of Industrial and Manufacturing Engineering at The Pennsylvania State University.

Announcements

• *Job Opening*

Arizona State University

The School of Computing, Informatics, and Decision Systems Engineering, one of the six Fulton Schools of Engineering at Arizona State University, is seeking faculty to support a broad initiative in advanced manufacturing. In conjunction with that initiative, we seek applicants for multiple tenure-track/tenured faculty positions in the area of industrial and manufacturing systems. Areas of interest include, but are not limited to, production control and manufacturing management; supply chain engineering; analytics for next-generation manufacturing systems; process capability, optimization and reliability; advanced processes and systems for product design; automation; and manufacturing enterprise systems.

Required qualifications include an earned doctorate in Industrial Engineering, Manufacturing Engineering, or a related field, and demonstrated evidence of excellence in research and teaching through external funding, publication in top tier journals and innovative pedagogy as appropriate to the candidate's rank. Desired qualifications include a commitment to a collaborative, transdisciplinary approach to research and teaching.

Faculty members are expected to develop an internationally recognized and externally funded research program, adopt innovative educational practices in graduate and undergraduate education, develop and teach graduate and undergraduate courses, advise and mentor graduate and undergraduate students, and undertake service activities.

Appointments will be at the Assistant, Associate, or Full Professor rank commensurate with the candidate's experience and accomplishments, beginning August 2016. Although the faculty appointment may be in any of the Fulton Schools of Engineering, the Industrial Engineering program in the School of Computing, Informatics, and Decision Systems Engineering is the most involved in the interest areas of the search.

Review of applications will begin November 16, 2015; if not filled, reviews will occur on the 1st and 15th of the month thereafter until the search is closed. To apply, please submit as a single PDF file a cover letter, current CV, statements describing research and teaching interests and contact information for three references to industrial.manufacturing.faculty@asu.edu.

For more information or questions about these positions, please contact the search committee chair Prof. Rong Pan (rong.pan@asu.edu).

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. See ASU's full non-discrimination statement (ACD 401) athttps://www.asu.edu/aad/manuals/acd/acd401.html and the Title IX statement at https://www.asu.edu/titleIX/.

ASU offers applicants an opportunity to voluntarily self-disclose information for the University's affirmative action plan; applicants may complete an EEO survey for the position athttp://www.surveymonkey.com/s/PKNDBNX

Information you'll need to complete the survey:

- Job order number: 11363
- Job Title: CIDSE Advanced Manufacturing
- Department Name: Engineering

George Mason University

The George Mason University Department of Systems Engineering and Operations Research in the Volgenau School of Engineering anticipates openings for two or three tenure/tenure-track faculty positions at the Assistant or Associate Professor-level for Fall 2016. Outstanding applicants at the Full Professor-level will also be considered. We are seeking exceptional candidates in all areas of systems engineering and/or operations research. We are particularly interested in candidates with strong foundations in data analytics, optimization, systems architecting, or model-based systems engineering; with a focus in emerging areas of applications such as health care, energy, sustainability, risk, cybersecurity, and unmanned air systems. However, qualified candidates in all areas of systems engineering and operations research are also welcome to apply. We encourage faculty to develop new areas of application of systems engineering or operations research. Candidates for the position must have an earned Ph.D. in operations research, systems engineering, or related fields; or be within completion of such a degree at the time of initial appointment in Fall 2016. For full consideration, applicants must apply for position number F9956z at http://jobs.gmu.edu/

Oklahoma State University

"The School of Industrial Engineering and Management at Oklahoma State University seeks talented and motivated candidates for two faculty positions starting in Fall 2016. Rank, tenure and salary will be determined based on candidate qualifications and accomplishments. The candidates are expected to have completed their PhD or satisfied requirements for a PhD by August 2016. Although candidates with at least one degree in industrial engineering are preferred, those with degrees in a closely related discipline will be considered. For the first position, we seek candidates with strong teaching interest in discrete event simulation. For the second position, we seek candidates with strong teaching interest in manufacturing processes. Research interests can be in one or more of the following areas energy systems, engineering management, healthcare systems engineering, human factors and ergonomics, logistics and supply chain management, manufacturing, materials handling and warehousing, production planning and control, quality, statistics and reliability, real-time decision making, simulation and stochastic processes. For the full job announcement, see https://okstate.csod.com/ats/careersite/JobDetails.aspx?id=973"

Shanghai Jiao Tong University

Antai College of Economics and Management at Shanghai Jiao Tong University (Shanghai, China) invites applications for a tenure-track position in Operations Management/Operations Research at Assistant or Associate Professor level. Applicants should obtain a Ph.D. in Operations Research, Statistics, or closely related area by the time of appointment. Individuals with research interests in Business Analytics, Statistics, Data Mining, or Empirical Research in manufacturing and service operations are particularly encouraged to apply. Antai College of Economic and Management is a leading business school in China with accreditation of AACSB, EQUIS and AMBA. It is located in a prime area in Shanghai that provides excellent living conditions. Compensation and research funding are internationally competitive and commensurate with qualifications and accomplishments. Informal enquiries are welcome. Please send a cover letter, a curriculum vita, a statement of teaching philosophy and research plan, and three letters of recommendation to Professor Guohua Wan, at ghwan@sjtu.edu.cn. Applicants who want to be interviewed during the 2015 INFORMS Annual Conference at Philadelphia (November 1-4, 2015) must send their application packages to Professor Wan by October 25, 2015.

Tsinghua University

For the 2015-2016 academic year, the department has two tenure-track faculty openings at all ranks (tenure-track and tenured, including senior faculty) in the areas of Quality, Statistical and Reliability (QSR). The salary package for these positions will be competitive and commensurate

with qualifications. Individuals with research interests and strong background in statistical quality modeling and control, system informatics, reliability engineering, data analytics and related areas are particularly encouraged. Applicants should obtain a Ph.D. in IE or closely related area by the time of appointment. The emphasis of the departmental faculty is to produce high quality, high impact research which is disseminated in leading international journals. You are cordially invited to submit your application by sending a cover letter, vita, research plans, sample publications or pre-publications and contact information of three references to: Prof. Zhizhong Li (zzli@tsinghua.edu.cn).

University of South California

The University of Southern California, one of the nation's top research universities, invites applications for tenure-track positions in the Daniel J. Epstein Department of Industrial and Systems Engineering in the Viterbi School of Engineering. We seek outstanding faculty candidates in all areas of ISE for positions at any rank. The Viterbi School of Engineering at USC is committed to increasing the diversity of its faculty and welcomes applications from women, underrepresented groups, veterans, and individuals with disabilities. Outstanding senior applicants who have demonstrated academic excellence and leadership, and whose past activities document a commitment to issues involving the advancement of women in science and engineering may also be considered for the Lloyd Armstrong, Jr. Endowed Chair, which is supported by the Women in Science and Engineering (WiSE) Program endowment.

We invite applications from candidates knowledgeable in Industrial and Systems Engineering, and will focus on a candidate's promise and/or track record during the review process. Candidates with interest in areas of current and increasing importance to the ISE research community, particularly systems analytics, computational and applied statistics, and stochastic modeling and analysis are especially encouraged to apply. Candidates with demonstrated research potential in broad array of applications including, but not limited to healthcare, energy systems, production, manufacturing, security, transportation, etc, are similarly encouraged.

We seek energetic individuals who will participate in the university's research enterprise and engage with students at the graduate and undergraduate levels. Successful candidates will establish a strong, externally funded, research program of national prominence while contributing to the core teaching mission of the ISE department. An earned doctorate in a field closely related to Industrial and Systems Engineering is required.

Positions are available starting August 16, 2016. Candidates should apply at ise.usc.edu. Applications should include: a cover letter; curriculum vitae detailing educational background, research accomplishments and work experience; a one-page statement of current and future research; and names of a least four professional references. In order to receive full consideration, all materials should be received by December 4, 2015, but earlier application is encouraged. Interested individuals may contact Professor Julie Higle, Chair of the Daniel J. Epstein Department of Industrial and Systems Engineering (julie.higle@usc.edu).

The USC Viterbi School of Engineering is among the top tier engineering schools in the world. It counts 180 full-time, tenure-track faculty members, and it is home to the Information Sciences Institute, two National Science Foundation Engineering Research Centers, a Department of Energy EFRC (Energy Frontiers Research Center), and the Department of Homeland Security's first University Center of Excellence, CREATE. The school is affiliated with the Alfred E. Mann Institute for Biomedical Engineering, the Institute for Creative Technologies and the USC Stevens Center for Innovation. Research expenditures typically exceed $180 million annually.

USC is an equal-opportunity educator and employer, proudly pluralistic and firmly committed to providing equal opportunity for outstanding persons of every race, gender, creed and background. The University particularly encourages women, members of underrepresented groups, veterans and individuals with disabilities to apply. The Viterbi School of Engineering at USC is committed to enabling the success of dual career families and fosters a family-friendly environment.

University of Washington (Two positions)

Position at ISE: The Department of Industrial & Systems Engineering at the University of Washington invites outstanding faculty candidates to apply for a full-time (100% FTE) tenure-track faculty position (9-month service period). We are primarily focused on hires at the rank of Assistant Professor although individuals with exceptional experience may be considered for higher ranks. We are interested in candidates with strong analytical skills in the areas of human factors, production systems, and operations research.

Applicants must have a PhD or foreign equivalent doctorate degree in Industrial & Systems Engineering, or related discipline by the date of appointment and excellent communication skills. The successful applicant will be expected to provide innovative, high-quality teaching; engage in collaborative research efforts that help build on research focus areas by developing a vigorous, collaborative, funded research program; and contribute to the goals and missions of the department, college, and

university. University of Washington faculty engage in teaching, research, and service. This position is contingent on budgetary approval.

The Industrial & Systems Engineering Department teaches and conducts interdisciplinary research in the areas of manufacturing systems, automation and robotics, operations research, simulation, quality and reliability, human factors and virtual environments, and health systems. The department has 10 faculty, 50 full-time graduate students in residence, and 130 undergraduates and continues to grow. The annual research volume of our faculty is currently over $4 million. More information is available at: http://depts.washington.edu/ie/

Applications should include a cover letter, curriculum vitae with a complete list of publications, a statement of research and education goals, names and contact information for at least three references, and copies of three (3) selected publications. Do not send letters until specifically requested. Please submit all applications at: UW ISE Application Website, or http://www.engr.washington.edu/facsearch/apply.phtml?pos_id=181

Joint hire between ISE and ME: The Department of Industrial & Systems Engineering and the Department of Mechanical Engineering in the College of Engineering at the University of Washington invites outstanding faculty candidates to apply for a full-time tenure-track faculty positions (9-month service periods) with the possibility of joint appointments in the two departments. We are primarily focused on hires at the rank of Assistant Professor although individuals with exceptional experience may be considered for higher ranks. We are interested in candidates with outstanding backgrounds in the area of advanced manufacturing systems. This search is part of a cluster hire in advanced manufacturing which reflects the growth in the Pacific Northwest area.

Applicants must have a PhD or foreign equivalent doctorate degree in Mechanical Engineering, Industrial & Systems Engineering, or related discipline by the date of appointment and excellent communication skills. The successful applicant will be expected to provide innovative, high-quality teaching; engage in collaborative research efforts that help build on research focus areas by developing a vigorous, collaborative, funded research program; and contribute to the goals and missions of the departments, college, and university. University of Washington faculty engage in teaching, research, and service. These positions are contingent on budgetary approval.

Information about the Departments:

- The Industrial & Systems Engineering Department teaches and conducts interdisciplinary research in the areas of manufacturing systems, automation and robotics, operations research, simulation, quality and reliability, human factors and virtual environments, and health systems. The department has 10 faculty, 50 full-time graduate students in residence, and 130 undergraduates and continues to grow. The annual research volume of our faculty is currently over $4 million. More information is available at: http://depts.washington.edu/ie/
- The ME department currently has 39 full-time tenured, tenure track and research faculty, 372 undergraduates, 145 masters students, 109 PhD students and 17 postdoctoral researchers. The Department's research and teaching portfolio cover all aspects of the broad field of mechanical engineering, including interdisciplinary work in advanced manufacturing, alternative energy, robotics and controls, and engineering in medicine. More information about the ME department is available at http://www.me.washington.edu/.

Applications should include a cover letter, curriculum vitae with a complete list of publications, a statement of research and education goals, names and contact information for at least three references, and copies of three selected publications. Do not send letters until specifically requested. Please submit all applications at: http://www.engr.washington.edu/facsearch/apply.phtml?pos_id=180

The University of Washington, an affirmative action, equal opportunity employer, is building a culturally diverse faculty and staff, and strongly encourages applications from women, minorities, individuals with disabilities and covered veterans. The university is the recipient of a National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. The university is also the recipient of the 2006 Alfred P. Sloan award for Faculty Career Flexibility and is committed to supporting the work-life balance of its faculty.

Review of applications begins immediately and priority will be given to applications received by December 1, 2015. The process remains open until the position is filled.

For more information, email iesearch@uw.edu.

• *Upcoming Conferences*

Conference Title: The 1st Sino-US Research Conference on Quality, Analytics, and Innovations

Date: July 1-2, 2016

Location: Shanghai, China

Enquiry: jiangwei@sjtu.edu.cn

Motivation and Scope:

Globalization is connecting US and China tightly and providing common opportunities and challenges to all. Starting from world-wide innovative designs to localized manufacturing, back to global marketing and consumption, fast developing data acquisition technology is enabling the collection of rich data throughout the life cycle of products that across multiple nations.

In the new era when big data is growing bigger and innovation is becoming newer, how are the quality experts going to contribute? This forum aims at building a platform for scholars from US and China to share recent research progress, to promote collaborative efforts on tackling mutually-interested real problems, and to broadcast the power of data science and quality theories in solving modern challenges and bring innovative ideas.

The forum is designed with invited keynote speeches from both US and China on both theories and applications. A broad range of topics on but not limited to quality, reliability, system informatics, data analytics, innovation, system engineering are welcome.

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