


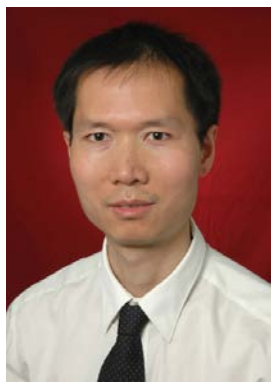
<p><b>Name</b></p>	<p>Zhuping FAN  Shanghai Jiao Tong University  Associate Professor, Director of Shanghai Jiao Tong University, School of Medicine</p> <p>Group webpage: <a href="http://www.renji.com">www.renji.com</a></p>	
<p><b>Email</b></p>	<p><a href="mailto:zhuping_fan@163.com">zhuping_fan@163.com</a></p>	
<p><b>Research interests (general)</b></p>	<p>The health management center of Ren Ji hospital has been working on noncommutable disease screening from the very beginning, such as risk factors of cardiovascular disease (CVD), stroke, chronic obstructive pulmonary disease (COPD), Diabetes, chronic kidney disease (CKD) and cancers. We provide regular medical checks for general population and screenings for high risk population. All screening policies are evidence based. Our research interests are alert signs finding and providing evidences to solve the high risks by non drug life style modifications. In recent years, our center determined health management of digestive diseases as our research key point based on the fact that digestive diseases has been key discipline in our hospital. We are involved in the researches such as metabolic syndrome related fatty liver diseases clinical pathological control research and intervention (PKJ2008Y26), explore of evidence-based medicine teaching methods, integrated medicine method of nondrug life style modifications, etc. Especially we got the grant of 2012 and 2016 key projects in Shanghai public health education and promotion (12GWZX0903, 15GWZK1001).</p> <p>Recently Chinese government put forward the policy of “staging diagnosis”. We are involved in the collaboration with community health centers.</p>	
<p><b>Research interests for seed program</b></p>	<p>Based on the existing system of big hospital and community health centers, evaluate the performance of present screening policies and study the possibility of involvement of insurance company in the health management. As a leading physical examination and preventive screening provider for the employers in Shanghai, I propose to jointly develop an Integrated Health Data System, learn from the UM-HMRC’s experiences, for RH-HMC to guide the employers to promote health and prevent diseases for their employee population. Dr. Yen established an integrated health management system to study the health and economic impact of workplace health programs and provided decision supports for various organizations in health care in Movement Science containment and productivity improvement. I have visited UM Health management research center several times and had several discussions about how to use our big data to help our government and people to decrease risk factors of disease burden.</p>	

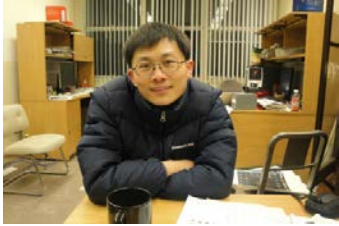
**Biography**

Prof.Fan Zhuping,director of health management center of Ren Ji hospital, is expert of Gastroenterology&Hepatology, who is as member of Shanghai Health Management Association ,expert comittee of quality control of screening in Shanghai,vice director of Shanghai association of clinical epidemiology and evidence based medicine ,etc. She was involved in the guideline writing of national fatty liver health promotion project in 2011 .She also served as editor of several Journals such as magazine of Chinese health management, International Journal of digestive diseases, Liver, J. digestive disease, the world of clinical medicine , Gastroenterology, etc.

Prof.Fan pay much attention on prevention of gastroenterologic cancers.There are a lot of screening data in our center.We try to get predictive model of cancer and cardiovascular diseases and evaluate risk factors and get health promotion by integrative method.The health management center between University of Michigen and Shanghai Jiao Tong University had established good relationship till now.


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Lipo Wang Shanghai Jiao Tong University UM-SJTU Joint Institute	
<b>Email</b>	<a href="mailto:lipo.wang@sjtu.edu.cn">lipo.wang@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	fluid mechanics, turbulence (flow structure and multi-scale analysis), turbulent combustion	
<b>Research interests for seed program</b>	multi-scale analysis	
<b>Biography</b>	<p>Wang, Lipo received his Ph.D from the RWTH-Aachen, Germany in 2007. He joined JI in 2009 and currently is an associate Professor in the Mechanical Engineering. His research interests include fluid mechanics, fundamental turbulence (flow structure and multi-scale analysis), turbulent combustion and some application-orientated problems. Recently as a co-author he has received the prestigious ASME 2016 Turbo Expo Turbomachinery Technical Conference Best Paper Award. Most of the research topics are highly original and typical results appear as the cover images of leading journals.</p>	

<b>Name</b>	<p>Wentao Luo Shanghai Jiao Tong University Center for Astronomy and Astrophysics</p> <p>Group webpage: <a href="http://astro.sjtu.edu.cn/English/Default.aspx">http://astro.sjtu.edu.cn/English/Default.aspx</a></p>	
<b>Email</b>	<a href="mailto:wentao.luo82@sjtu.edu.cn">wentao.luo82@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Image Simulation, image processing, weak lensing measurement, modeling and parameter constraints. data analysis.	
<b>Research interests for seed program</b>	Image Simulation, data analysis, modeling.	
<b>Biography</b>	<p>Education</p> <ul style="list-style-type: none"> <li>※ Post-doctoral researcher at CAA SJTU(2016.7–present)</li> <li>※ Post-doctoral researcher at Carnegie Mellon University(June 2015.6 – 2016.7)</li> <li>※Assistant Researcher at Shanghai Astronomical Observatory (July 2012–June 2015)</li> <li>※ PhD Student: Shanghai Astronomical Observatory (Sep. 2007– Jul. 2012)</li> <li>※ Visiting Student: Astronomy Department, Yale University (Dec. 2010– Sep. 2011)</li> </ul> <p>Experience</p> <ul style="list-style-type: none"> <li>※ Review talk on Weak Gravitational Lensing: from data reduction to galaxy–galaxy lensing signal. Santa Fe Cosmological Workshop(July 12–July 25 2015)</li> <li>※ Post-doctoral researcher at Carnegie Mellon University (June. 2015–present).</li> <li>※ Join the GREAT3 competition.(2014)</li> <li>※ NASA 'Mapping the dark matter' Competition, ranking 35th, 0.0025 difference from the 1st. (2011)</li> <li>※ Local assistant of organizing The Galileo–Xu Gaungqi meeting (Oct. 2009)</li> <li>※ Local assistant of organizing The New Technologies for Probing the Diversity of Brown Dwarfs and Exoplanets (July. 2009)</li> <li>※ Local assistant of organizing The 8th Sino–German workshop (Feb. 2009)</li> </ul> <p>Publications:</p> <p>Luo W et al 2017, ApJ, 836:38L  Zhang J., Zhang, P.J., Luo, W 2017 ApJ 834:8Z  Zhang J., Luo W., Foucaud S., 2015, JCAP, 1, 024  Mandelbaum R., Barnaby Rowe, Robert Armstrong... Luo W. ... et al. 2015 MNRAS 450.2963  Luo W., Yang X., Zhang Y., 2014, ApJ, 789, L16</p>	

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8<sup>th</sup> round of seed funding  
Topic: Data Science

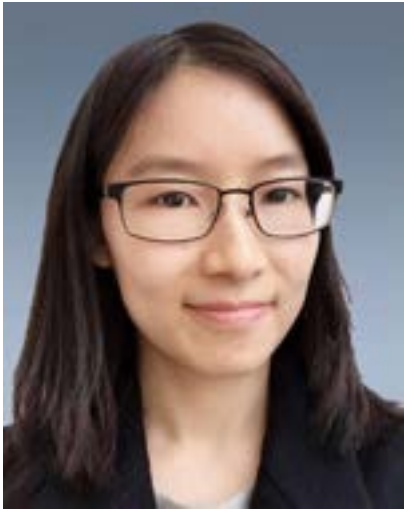
<b>Name</b>	Dongqing Wei Shanghai Jiao Tong University Depart. Bioinformatics & Biostatistics, College of Life Sciences  Group webpage: <a href="http://tacc2008.sjtu.edu.cn">tacc2008.sjtu.edu.cn</a>	
<b>Email</b>	<a href="mailto:dqwei@sjtu.edu.cn">dqwei@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Computational Biology/Chem/Phys	
<b>Research interests for seed program</b>	Computational Chem./Phys., Computational Catalysis	
<b>Biography</b>	<p>Dr. Dong-Qing Wei is a Professor of Bioinformatics, Department of Bioinformatics and Biostatistics, College of Life Science, Shanghai Jiaotong University, China and editor-in-chief of “Interdisciplinary Sciences-Computational Life Sciences”. Over the past three decades he has made many grand breaking contributions to the development of molecular simulation techniques and their interdisciplinary applications to systems of ever-increasing complexity. He is best known for contributions to the development of molecular simulation tools with applications to a wide range of chemical, physical and biological systems, from electrolytes, to polar liquids, to ferroelectric liquid crystals, to combined Quantum Mechanical/Molecular Mechanical (QM/MM) systems, to membrane proteins and protein-ligand complexes applied to computer aided drug design. Prof. Wei published more than 250 journal papers, 9 monographs with 5500 SCI citations and a H factor of 50. He was invited to give invited and plenary talks in more than 100 conferences, he also organized 10 international conferences, for example, TACC2008, and ICCSB(2009-2015), among others.</p>	

<b>Name</b>	Jun Zhang Shanghai Jiao Tong University Department of Physics and Astronomy  Group webpage: <a href="http://astro.sjtu.edu.cn/English/TeamTeacherInfo.aspx?tecid=58">http://astro.sjtu.edu.cn/English/TeamTeacherInfo.aspx?tecid=58</a>	
<b>Email</b>	<a href="mailto:betajzhang@sjtu.edu.cn">betajzhang@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	I am interested in the formation of the large scale structure in our Universe, and the underlying physical rules. Theoretically, my research focuses on understanding the properties of dark matter, dark energy, cosmic microwave background, galaxies, clusters, cosmic reionization, etc.. Observationally, we use the gravitational lensing effect to directly probe the density distribution of our Universe, and to test the theory of gravity on the cosmic scales.	
<b>Research interests for seed program</b>	Weak lensing is an important probe of the cosmic structure and the expansion history of our Universe. We show that the weak lensing effect (also called cosmic shear) can be measured accurately from background galaxy images through Fourier transformation in the presence of background noise, source Poisson noise, and finite pixel size, without assumptions on the morphologies of galaxy and PSF. With some preliminary measurement results using the CFHTlens data, we demonstrate that our method is the most promising technique for cosmic shear measurement in the ongoing and upcoming large scale galaxy surveys. We look forward to potential collaborations in the field of weak lensing data analysis.	
<b>Biography</b>	I got my B.S. in Physics from Fudan University in 2000, and Ph.D. in Physics from Columbia University in 2006. I was a TAC postdoctoral fellow in UC Berkeley from 2006 to 2009, and a TCC postdoctoral fellow of Texas Cosmology Center (UT Austin) from 2009 to 2012. I joined the faculty of Shanghai Jiao Tong University in 2012.	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science


<b>Name</b>	Chuanliang Feng Shanghai Jiao Tong University School of materials science and engineering	
<b>Email</b>	<a href="mailto:clfeng@sjtu.edu.cn">clfeng@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Chiral hydrogels, cell adhesion	
<b>Research interests for seed program</b>	Bion-inspired 3D extracellular matrix, drug delivery	
<b>Biography</b>	<p>Prof. Dr. Chuanliang Feng, received his BSc degree from Henan Normal University (Henan, China) in 1996, MSc degree from Beijing Institute of Chemistry of Chinese Academy of Sciences and Henan Normal University from 1998 to 2001, and Dr. degree from University of Twente (Enschede, the Netherlands) in 2005. After completing PhD, he was awarded a Max-Planck Society Scholarship to work at Max-Planck Institute for Polymer Research in Mainz, Germany within the material science group led by Prof. Wolfgang Knoll. From 1998 to July 2009, he was appointed as a research scientist in Biomade Technology Foundation (Groningen, the Netherlands). In Aug. 2009, he moved to Shanghai Jiaotong University as a full professor in School of Material Sciences and Technology. He has published 85 papers with over 1500 times of citation.</p> <p>In 2009, he was supported by Program for New Century Excellent Talents in University. In 2010, he was supported by Program for Shanghai Pujiang Excellent Talents in University, and the Program for Professor of Special Appointment (Eastern Scholar) at Shanghai Institutions of Higher Learning.</p>	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science


<b>Name</b>	<p>Hong Zhu Shanghai Jiao Tong University Assistant Professor/UNIVERSITY OF MICHIGAN – SHANGHAI JIAO TONG UNIVERSITY JOINT</p> <p>Group webpage: <a href="http://umji.sjtu.edu.cn/faculty/zhu-hong/">http://umji.sjtu.edu.cn/faculty/zhu-hong/</a></p>	
<b>Email</b>	<a href="mailto:hong.zhu@sjtu.edu.cn">hong.zhu@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	<p>Advanced energy and electronic materials design through atomistic modeling, high throughput computations and data mining Physical property tailoring through band structure, defect and interface engineering</p>	
<b>Research interests for seed program</b>	<p>Data mining for materials property from high-throughput computations based on density functional theory</p>	
<b>Biography</b>	<p>Education Ph.D. Department of Materials Science and Engineering, University of Connecticut (2012) B.S. School of Materials Science and Engineering, Shanghai Jiao Tong University (2007)</p> <p>Work Experience 2015– pres. Assistant Professor of Materials Science and Engineering, UM-SJTU Joint Institute 2012– 2015 Postdoctoral Associate, Department of Materials Science and Engineering, Massachusetts Institute of Technology</p>	



One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Hui Lu Shanghai Jiao Tong University Head, Department of Bioinformatics and Biostatistics	
<b>Email</b>	<a href="mailto:huilu@sjtu.edu.cn">huilu@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Bioinformatics, Computational Biophysics, Systems biology, Biomedical informatics, Clinical Data analysis; Biostatistics.	
<b>Research interests for seed program</b>		
<b>Biography</b>	Hui Lu, Distinguished professor and Head, Department of Bioinformatics and Biostatistics, College of Life Science and Biotechnology. He got Bachelor degree from Peking University and PhD from University of Illinois at Urbana-Champaign. His research area include: Computational genomics, Protein interaction network, Machine learning and datamining, Biostatistics, Clinical data analysis.	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<p><b>Name</b></p>	<p>Yixiang Huang Shanghai Jiao Tong University School of Mechanical Engineering</p>	
<p><b>Email</b></p>	<p><a href="mailto:david.huangyx@gmail.com">david.huangyx@gmail.com</a></p>	
<p><b>Research interests (general)</b></p>	<p>intelligent maintenance, fault diagnosis, prognostics and health management, dimensionality reduction, data mining, machine learning, wavelet analysis, deep learning</p>	
<p><b>Research interests for seed program</b></p>	<p>applications based on data analysis and deep learning</p>	
<p><b>Biography</b></p>	<p>Yixiang Huang received the B.S. in power and energy engineering in 2002, the M.S. and Ph.D. degrees in mechatronics engineering in 2006 and 2010, respectively, all from Shanghai Jiao Tong University, China. Currently, he is an Assistant Researcher in the School of Mechanical Engineering at Shanghai Jiao Tong University. Previously, he worked with the NSF Industry/University Cooperative Research Center for Intelligent Maintenance Systems at University of Cincinnati, USA. His research interests include intelligent maintenance, prognostics and health management, machine learning, big data analysis, sparse coding and dimensionality reduction for various industrial applications and domains.</p>	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	<p>Leyun Wang Shanghai Jiao Tong University Tenure-Track Professor, School of Materials Science and Engineering</p> <p>Group webpage: <a href="http://smse.sjtu.edu.cn/jiaogongdenglu.asp?id=369">http://smse.sjtu.edu.cn/jiaogongdenglu.asp?id=369</a></p>	
<b>Email</b>	<a href="mailto:leyunwang@sjtu.edu.cn">leyunwang@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	physical metallurgy, materials characterization with synchrotron X-rays, application of the Materials Genome methodology for alloy design	
<b>Research interests for seed program</b>	Applying machine learning techniques to predict deformation hotspots and damage nucleation sites in engineering materials	
<b>Biography</b>	<p>Leyun Wang is currently a tenure-track professor in the School of Materials Science and Engineering of Shanghai Jiao Tong University. Prior to this appointment, he worked at Helmholtz-Zentrum Geesthacht (former GKSS) in Germany as a Humboldt fellow and Argonne National Laboratory as a postdoc associate. He received his PhD degree in Materials Science from Michigan State University in 2011.</p> <p>His research interests have included materials characterization with synchrotron X-rays, magnesium alloy design, steels for nuclear applications, in situ material testing environment development, and materials data mining. He has published 18 peer-reviewed papers in the above areas. He received the 2015 ASM Henry Marion Howe Medal, the annual best paper award for the Metallurgical and Materials Transactions journal series.</p>	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Yongkun Wang Shanghai Jiao Tong University Network and Information Center	
<b>Email</b>	<a href="mailto:ykw@sjtu.edu.cn">ykw@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	large-scale distributed systems, scalable database theory, and big data analysis	
<b>Research interests for seed program</b>	data analysis for massive legal text	
<b>Biography</b>	<p>Yongkun Wang, is with the Network and Information Center, Shanghai Jiao Tong University (SJTU). Dr. Wang is currently working on large-scale distributed systems for the analysis on legal text and precision medicine. Before joining SJTU he was the Chief Software Engineer in Rakuten, Inc, and Data Scientist in Rakuten Institute of Technology, Tokyo. His research interests include large-scale distributed systems, scalable database theory, and multi-dimensional data analysis. He has been granted a US patent, and developed it in production system which had been running for more than 3 years, collected and analyzed about 1PB user behavior data. He received his PhD degree from the University of Tokyo in 2011, under the supervision of Prof. Masaru Kitsuregawa. He has published many papers in referred journals and conferences, and served as reviewers of several journals including IEEE Transactions on Computers. He is a member of ACM.</p>	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Huai Sun Shanghai Jiao Tong University Professor, School of Chemistry and Chemical Engineering  Group webpage: <a href="http://sun.sjtu.edu.cn/">http://sun.sjtu.edu.cn/</a>	
<b>Email</b>	<a href="mailto:huaisun@sjtu.edu.cn">huaisun@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Computational Chemistry	
<b>Research interests for seed program</b>	Computational Thermodynamic Database	
<b>Biography</b>	<p>Dr. Huai Sun received his Ph.D. in Physical Chemistry from University of Washington in 1990. He worked as a senior research scientist in Biosym/Accelrys of US until 2003. His major contribution during the time was the COMPASS force field. He accepted the professorship of SJTU in 2003, continue working on multi-scale force field developments, molecular dynamics simulations, predictions of thermodynamic properties and self-assemblies, and industrial applications of computational chemistry. His work is supported by Nature Science Foundation of China (NSFC), National Basic Research Project of China (973 Project), and major corporations such as P&amp;G, Sinopac and Evonik. He has published more than 100 scientific papers that are cited about 7,500 times with H-index of 25.</p>	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	YAOHUI JIN Shanghai Jiao Tong University Network and Information Center	
<b>Email</b>	<a href="mailto:jinyh@sjtu.edu.cn">jinyh@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Open government data, Urban perspective computing, natural language processing	
<b>Research interests for seed program</b>		
<b>Biography</b>	<p>Yaohui Jin is a professor of State Key Lab of Advanced Optical Communication Systems and Networks, and deputy director of Network &amp; Information Center, Shanghai Jiao Tong University. Before he joined Shanghai Jiao Tong University in 2002, he was a member of technical staff at Bell Labs Research China. His research interests include civic engagement and open innovation, cloud computing network architecture, and streaming data analysis. He led deployment and operation of OpenStack, Hadoop, and CKAN open source environments in SJTU campus. He is the founder of OMNILab, which is an open innovation lab focusing on data analysis. In 2014, OMNILab won the champion of CCF national big data challenge among nearly 1000 teams, and won the champion of Shanghai open data innovation and creation competition. He served more than 10 technical committees. He published more than 100 technical papers in leading conferences and journals and owned more than 10 patents. He enthuses public service and science popularization, actively promotes crowd engaged innovation and interdisciplinary collaboration.</p>	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
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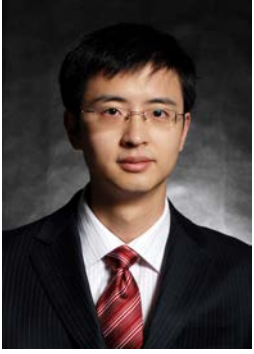
<p><b>Name</b></p>	<p>Hong Wang Shanghai Jiao Tong University Professor, School of Materials Science and Engineering</p> <p>Group webpage: <a href="http://magic.sjtu.edu.cn/">http://magic.sjtu.edu.cn/</a></p>	
<p><b>Email</b></p>	<p><a href="mailto:hongwang2@sjtu.edu.cn">hongwang2@sjtu.edu.cn</a></p>	
<p><b>Research interests (general)</b></p>	<p>High-throughput material preparation and characterization and large data set processing, genomic approach of material discovery and development, machine learning and data mining</p>	
<p><b>Research interests for seed program</b></p>	<p>Applying machine learning and data mining technique to large data set from high-throughput experiment for phase diagram construction and material discovery</p>	
<p><b>Biography</b></p>	<p>Dr. Hong Wang is a "Zhiyuan" Chair Professor in the School of Materials Science and Engineering, Shanghai Jiaotong University. After earning his Ph.D. in Materials Science and Engineering from the University of Illinois at Urbana-Champaign in 1994, he worked in the United States as a research scientist for the global companies such as SONY, Panasonic and Guardian Industries Corp., developing thin film technology for semiconductor, flat panel displays and flat glass industries. In 2010, he joined China Building Materials Academy in Beijing as the Chief Scientist for the National Research Center for Glass Processing and Associate Director of State Key Laboratory of Green Building Materials. His research there focused on the development of coated glass for energy efficient buildings, smart windows and solar heat conversion materials. Since 2012, he's been actively promoting the Material Genome Initiative, a new paradigm for acceleration from materials discovery to deployment, in China. He was in the task forces of both Chinese Academy of Engineering and Chinese Academy of Science for drafting the MGI Consultation report to the State Council of China and co-organizer of several MGI related high level conferences and forums. In April 2015, he was appointed Director, Materials Genome Initiative Center at SJTU. Dr. Wang was the author or co-author for more than 50 papers and credited for over 20 issued US, China and international patents.</p>	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Hailong Liu Shanghai Jiao Tong University Special Scientist Institute of Oceanography	
<b>Email</b>	<a href="mailto:hailong.liu@sjtu.edu.cn">hailong.liu@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	big data analysis of climate science, physical oceanography	
<b>Research interests for seed program</b>	future projection of tropical cyclones using big data analysis	
<b>Biography</b>	<p>I am a special scientist in physical oceanography from Shanghai jiaotong Univeristy (2015–present). I received my Ph.D. in physical oceanography from University of Maryland at College Park, and then conducted research in NOAA/AOML as a postdoctoral researcher (2009–2012) and senior research associate (2012–2015). I have been actively involved in a series of research projects on oceanic mixed layer properties, Atlantic Warm Pool variability and its climate impacts.</p> <p>My ongoing research particularly focuses on the tropical cyclones intensity in the future projection. My personal website can be found at <a href="http://ioo.sjtu.edu.cn/index.php?cat_code=yanjiuyuan&amp;art_id=805">http://ioo.sjtu.edu.cn/index.php?cat_code=yanjiuyuan&amp;art_id=805</a> . I can be reached by email <a href="mailto:hailong.liu@sjtu.edu.cn">hailong.liu@sjtu.edu.cn</a> or phone 86-21-34208695.</p>	




One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Jianbo Wu Shanghai Jiao Tong University Professor, Materials Science and Engineering	
<b>Email</b>	<a href="mailto:jianbowu@sjtu.edu.cn">jianbowu@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Energy Conversion and Storage, Catalysis, Fuel Cell, Water Spilling, CO2 Reduction, In situ TEM Characterization	
<b>Research interests for seed program</b>		
<b>Biography</b>	<p>Dr. Jianbo Wu is a faculty member in the School of Materials Science and Engineering at Shanghai Jiao Tong University. He received his PhD degree in Chemical Engineering from University of Rochester in 2012, his MS degree in 2007 and BE degree in 2005 both in Materials Science and Engineering from Zhejiang University. He got postdoctoral training in the Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign. His current research focuses on facet and composition controlled nanocrystals, fuel cell electrocatalysts, functional materials for energy and environmental applications, and in situ TEM characterization.</p>	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Yinfeng Li Shanghai Jiao Tong University Assistant Professor, Department of Engineering Mechanics  Group webpage: <a href="http://naoce.sjtu.edu.cn/axf/2633.html">http://naoce.sjtu.edu.cn/axf/2633.html</a>	
<b>Email</b>	<a href="mailto:liyinfeng@sjtu.edu.cn">liyinfeng@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Mechanical properties and biological behavior of micro/nanomaterials	
<b>Research interests for seed program</b>	Mechanical and biological behavior of two dimensional nanomaterials	
<b>Biography</b>	Dr Yinfeng Li has focused on the understanding of basic principles that control mechanical properties and behaviors of materials in both micro- and nano-scale. Based on the nature of the studied subjects, the continuum theory and molecule dynamics method are employed, and a series of new models, solutions and observations is drawn. Even in his early academic career, Dr. Li has made impressive accomplishments with a serious of publications in high impact journals, including PNAS, JMPS, Acta Mater., Carbon, Nanoscale, Compos. Sci. Technol., etc.	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science


<b>Name</b>	Yafei Wang Shanghai Jiao Tong University Assistant Professor/Mechanical Engineering	
<b>Email</b>	<a href="mailto:htwyfjlu@sjtu.edu.cn">htwyfjlu@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	connected and automated vehicle, big data analysis for automotive applications	
<b>Research interests for seed program</b>	Data science for automotive applications such as carsharing and electric vehicle data analysis	
<b>Biography</b>	<p>Yafei Wang received the B.S. degree in Internal Combustion Engine from Jilin University, Changchun, China, in 2005, the M.S. degree in Vehicle Engineering from Shanghai Jiao Tong University, Shanghai, China, in 2008, and the Ph.D. degree in Electrical Engineering from The University of Tokyo, Tokyo, Japan, in 2013. From 2008 to 2010, he worked in automotive industry for nearly 2 years, including internship with FIAT Powertrain Technologies, Shanghai, China and full-time working experience with Delphi China Technical Center, Shanghai, China. From 2013 to 2016, he was a postdoctoral researcher with The University of Tokyo, Tokyo, Japan. He is currently an assistant professor with School of Mechanical Engineering, Shanghai Jiao Tong University, Shanghai, China. He is mainly interested in connected and automated vehicle and big data analysis for automotive applications.</p>	

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8<sup>th</sup> round of seed funding  
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<b>Name</b>	<p>Yong Li Shanghai Jiao Tong University Associate Professor/ School of Mechanical Engineering</p>	
<b>Email</b>	<a href="mailto:liyo@sjtu.edu.cn">liyo@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Solar thermal application, Thermal storage, thermal driven refrigeration and cooling; solar photovoltaic driven refrigeration ; the influence of heat pump/air conditioning system on environment	
<b>Research interests for seed program</b>	solar radiation resource estimation and influence of heat pump/air conditioning operation on environment	
<b>Biography</b>	<p>Dr. Yong LI, graduated from Shanghai Jiao Tong University in 1991 for his bachelor degree, graduated from Guangzhou Institute of Energy Conversion (GIEC) Chinese Academy of Sciences in 1997 for his master degree, obtained his PhD from University of Hong Kong. He was promoted to Associate Professor in the School of Mechanical Engineering at Shanghai Jiao Tong University in September 2005. From Sep. 2008 to Feb. 2009, he worked as invited Associate Professor in the Dept. of Mechanical Engineering, Purdue University, USA, giving lectures and doing research in Harrick Lab. From Oct. to Dec. 2009, funded by Erasmus Mundus Scholarship, he worked as invited Associate Professor in Dept. of Environment and Energy, Ecole des Mines de Nantes, France, giving lectures on solar energy application to Master Students of Management and Engineering of Environment and Energy (ME3).</p> <p>Dr. Li's main research interests include solar thermal application, thermal storage, thermal driven refrigeration and cooling; solar photovoltaic driven refrigeration ; the influence of heat pump/air conditioning system on environment; and development strategy of renewable energy industry. As a PI, he has received grants for 18 externally/internally funded projects. His recent research projects include National Natural Science Foundation of China (NSFC) project "Theoretical optimization and experimental study on open cooling cycle using desiccant wheel (2011–2013)" and projects of The National Key Technology R&amp;D Program (2006–2009, 2012–2015), projects supported by company "5 kWe solar power generating system (2013–2015)". He was the Main Researcher of Key Project of the NSFC for international academic exchanges (2011–2014) which focus on the energy research cooperation among China,</p>	

Korea and Japan. He also worked as PI on research projects from famous international enterprise such as DAIKIN co., Mitsubishi Electric co. and Walt Disney Company. He is now working as the Co-PI/Coordinator of two EU FP7 projects. He has published about 45 papers, 34 of which were in international journals. He holds 7 patents which are related to innovative cycles on application of solar energy and use of natural working fluid. He has given courses on renewable energy, and solar energy application in buildings. He taught Thermodynamics II and Heat and Mass Transfer courses to students from Purdue University. He serves as invited reviewers of several prestigious journals in the area of energy, such as Solar Energy, International Journal of Refrigeration, Energy Conversion and Management.

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	<p>Qi Wu Shanghai Jiao Tong University Associate Professor, Department of automation</p>	
<b>Email</b>	<a href="mailto:wuqi7812@sjtu.edu.cn">wuqi7812@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	<ol style="list-style-type: none"> <li>1. Deep multi-layers network modeling and learning algorithm</li> <li>2. Vision-Brain response recognition</li> <li>3. Fault diagnosis and prediction</li> <li>4. human factors analysis</li> </ol>	
<b>Biography</b>	<p>Wu Qi is an Associate Professor of School of Electronic, Information and Electrical Engineering at Shanghai Jiao Tong University. His research interest mainly focuses on deep multi-layers network modeling and learning algorithm, machine learning and pattern recognition. Dr. Wu completed his MSc and PhD at Jiangnan University (SYTU) and Southeast University (SEU) respectively. After graduated from SEU in January 2009, he joined the School of Mechanical Engineering at SEU as a postdoctoral fellow researcher. Since then, he has been actively involved in both undergraduate and graduate teaching, research, and academic services.</p> <p>Dr. Wu' works have focused on these field such as fault diagnosis, human fatigue analysis, electricity load forecasting, etc. Some works have been published or will be published in some journals such as information sciences, IEEE Transactions on Automation Science and Engineering, Expert Systems with Applications, Journal of Computational and Applied Mathematics, Engineering Applications of Artificial Intelligence, Computer Integrated Manufacturing Systems (Chinese), ACTA AUTOMATICA SINICA (Chinese). The ACTA AUTOMATICA SINICA (Chinese) is one of the top journals in the broad field of automation in china. Other papers are the process of review up to now.</p> <p>Dr. Wu is an active reviewer for more than 10 professional journals (including IEEE Transactions on Fuzzy Systems, IEEE Transactions on Cybernetics, IEEE Transactions on Automation Science and Engineering, IEEE Transactions on Industrial Electronics, IEEE Power Engineering Letters, Information Sciences, Artificial Intelligence in Medicine, Journal of the Franklin Institute, Advances in Engineering Software Journal, Journal of Intelligent Manufacturing, Environmental Modelling &amp; Software, European Journal of Operational Research, Engineering Applications of Artificial Intelligence, Journal of Computational and Applied Mathematics, International Journal of Advanced Manufacturing Technology, Chemical and Biochemical Engineering Quarterly, etc.) and various granting agencies (Natural Science Foundation of China). Dr. Wu published more than 50 peer-reviewed journal papers (More than 44 international journal papers and more than 6 native language papers).</p> <p><b>Awards and Honors</b></p> <ol style="list-style-type: none"> <li>1) The excellent postdoctoral fellow Program, by Ministry of Human Resources and Social Security of the People's Republic China, 2010.</li> <li>2) Hong Kong Polytechnic University postdoctoral fellowship program, by HongKong government, 2011.</li> </ol>	

3) Shanghai Pujiang Program, By Shanghai government, 2015.


**Selected Publications**

- 1) Wu, Q.\*, Wu, S.Y. and Liu, J. Hybrid model based on SVM with Gaussian loss function and adaptive Gaussian PSO. *Engineering Applications of Artificial Intelligence*, 2010, 23(4), 487–494.
- 2) Wu, Q.\* and Law, R. Complex system fault diagnosis based on a fuzzy robust wavelet support vector classifier and an adaptive Gaussian particle swarm optimization. *Information Sciences*, 2010, 180(23), 4514–4528.
- 3) Wu, Q.\*, Law, R., Wu, E. and Lin, J. A hybrid–forecasting model reducing Gaussian noise based on the Gaussian support vector regression machine and chaotic particle swarm optimization. *Information Sciences*, 2013, 238, 96–110.
- 4) Wu Q.\*, Mao J.F. , C.F. Wei, etc. Hybrid BF–PSO and fuzzy support vector machine for diagnosis of fatigue status using EMG signal features. *Neurocomputing*, 2016, 173(3), 483–500.
- 5) Wu Q. \*, Chen X., Ren H., etc. Classification of EMG signals using BFA optimized GSVCM for diagnosis of fatigue, *IEEE Transactions on Automation Science and Engineering*, in press, DOI: 10.1109/TASE.2016.2564419.
- 6) Wu Q.\*, Chen Xi, Ren He, Wei Chuanfeng. A hybrid evaluation model for flight performance based on bacterial foraging and Elman' network. *Aerospace Science and Technology* , 2016, 55:392–399.
- 7) Jia B., Yu B., Wu Q.\*, Wei C., Law R. Adaptive affinity propagation method based on improved cuckoo search. *Knowledge–Based Systems* , 2016, 111:27–35.

**Selected Funds**

- 1) Principal Investigator: Recognition on the state of fatigue workload of pilot, sponsored by the National Natural Science Foundation of China, (201701–2020.12,0.58 million RMB)
- 2) Principal Investigator: Recognition on the fatigue status of pilot, sponsored by Shanghai Pujiang Program, (201701–2020.12,0.58 million RMB)
- 3) Principal Investigator: Research on car automatic product line fault diagnosis of complex manufacturing system, sponsored by the National Natural Science Foundation of China, (201701–2020.12,0.18 million RMB)
- 4) Principal Investigator: Research on complex system fault diagnosis on the basis of data mining, sponsored by China Postdoctoral Science Foundation, (201701–2020.12,0.03 million RMB)
- 5) Principal Investigator: Research on regression model penalizing hybrid noises of fuzzy forecasting system, sponsored by China Postdoctoral Science Foundation, (201701–2020.12,0.1 million RMB)
- 6) Principal Investigator: Research on complex system fault diagnosis on the basis of RFID technology, sponsored by the Jiangsu Planned Projects for Postdoctoral Research Funds, (201701–2020.12,0.02 million RMB)
- 7) Principal Investigator: Financial Distress Early Warning Analysis of China' Hotel Industry Based on Fuzzy Kernel Means Clustering Algorithm and Fuzzy Wavelet Support Vector Classifier Machine , sponsored by The Hong Kong Polytechnic University Research Funds, (201701–2020.12,0.64 million RMB)

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science


<b>Name</b>	Linghe Kong Shanghai Jiao Tong University Research Professor, Department of Computer Science and Engineering  Group webpage: <a href="http://wirelesslab.sjtu.edu.cn/~klh/">http://wirelesslab.sjtu.edu.cn/~klh/</a>	
<b>Email</b>	<a href="mailto:linghe.kong@sjtu.edu.cn">linghe.kong@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Wireless communication, big data, mobile computing, Internet of things, and smart energy systems	
<b>Research interests for seed program</b>		
<b>Biography</b>	Linghe KONG is currently a research professor with Department of Computer Science and Engineering at Shanghai Jiao Tong University. Before that, he was a postdoctoral researcher at Columbia University, McGill University, and Singapore University of Technology and Design more than 3 years. He received his Ph.D. degree in computer science from Shanghai Jiao Tong University, China, 2012, his Master degree in Telecommunication from TELECOM SudParis (ex. INT), France, 2007, and his B. E. degree in Automation from Xidian University, China, 2005. He was also a joint PhD student at University of California, San Diego and a visiting researcher in Microsoft Research Asia. His research interests include wireless communication, big data, mobile computing, Internet of things, and smart energy systems.	




One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Ming Jiang Shanghai Jiao Tong University Antai College of Economics and Management	
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<b>Research interests (general)</b>	experimental economics; behavioral economics; mechanism design; health economics	
<b>Research interests for seed program</b>	I am interested in understanding how health and economic decisions influence each other, and how to design field experiments, utilizing data infrastructure and behavioral economics to improve people's short- and long-term health.	
<b>Biography</b>	<p>Dr. Ming Jiang graduated from University of Michigan with a Ph.D. in Information in 2015, and from Shanghai Jiao Tong University with a B.A. in economics. He is currently an assistant professor of economics at Shanghai Jiao Tong University Antai College of Economics and Management.</p> <p>In one branch of Dr. Jiang's research interest, he applies the economic theory of market design to study college admissions policy in China, using experimental, computational, empirical and theoretical methods.</p> <p>The other branch of his research involves the study of how different biological and social states affect individual's economic decisions. In one of his project, he studies how hunger affects people's altruism, risk attitude, and patience. In another project, he studies how people behave under different social norms.</p> <p>Jiang has published in the journal Management Science and AAI-ICWSM Conference Proceedings</p>	


One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science


<b>Name</b>	Xiaojun Chen Shanghai Jiao Tong University School of Mechanical Engineering	
<b>Email</b>	xiaojunchen@163.com	
<b>Research interests (general)</b>	medical image analysis, computer-aided surgery, surgical navigation, VR/AR Technology in medicine, surgical robotics	
<b>Research interests for seed program</b>		
<b>Biography</b>	<p>Dr. Xiaojun Chen is an associate professor of Institute of Biomedical Manufacturing and Life Quality Engineering, School of Mechanical Engineering, Shanghai Jiao Tong University (SJTU), China. He received his Ph.D from SJTU in 2006, and furthered his research as a postdoctoral fellow until 2008. He was promoted to associate professor in 2010. As a visiting scholar, he worked at the Surgical Planning Laboratory, Harvard Medical School during Oct 2011~Nov 2012, the TIMC-IMAG lab (CNRS, France) during Sep~Dec 2013, the OMFS-IMPACT lab(KU Leuven, Belgium) during Jun~Aug 2015, and the CISTIB lab(the University of Sheffield, UK) during Jun~Jul 2016. His research focuses on computer-aided surgery, including medical image analysis, surgical navigation, VR/AR Technology in medicine, surgical robotics, etc.</p> <p>He is the author and co-author of more than 100 peer-reviewed articles, and delivered more than 10 lectures (3 invited plenary speeches) in the prestigious international conferences including CARS, IEEE-EMBC, IEEE-ITAB, CAI, etc. He is the PI of more than 20 research projects, including three funded by National Natural Science Foundation of China, and several international collaboration projects including Xu Guangqi Program (China-France), NSFC-RS Cooperation and Exchange Program (China-UK), SJTU-KU Leuven Joint Funding (China-Belgium), International Research and Exchange Project Funded by Shanghai municipal government (China-USA- Austria-Belgium) etc.</p> <p>His important academic responsibilities include the Editor-In-Chief of Edorium Journal of Biomedical Science, a member of the editorial board of International Journal of Computer Assisted Radiology and Surgery(SCI Indexed, IF=1.827, Springer), Journal of Rehabilitation Robotics, Journal of</p>	

Contemporary Medical Education, International Journal of Computer Aided Manufacturing, International Journal of Computational Biology and Bioinformatics etc., and a scientific board member of the CAI(the International Academy of Computer Aided Implantology) academy and the DDS(the International Digital Dentistry Society). Since 2008, he has been a regular reviewer of IEEE TBME, IEEE JBHI, IJCARS, IJMRCAS, CAS, CMBBE, JIM, JMIHI, JHE, etc. He is also invited by the Portuguese Foundation for Science and Technology (FCT) as an external reviewer. He was granted Shanghai Medical Science & Technology Award (2008), and Shanghai Science & Technology Award (2010). For his academic achievements, he has been included for the 2010 Edition of Marquis Who's Who in the World. Especially, through a rigorous academic evaluation process, he has been funded by the China Scholarship Council (CSC) to further his research at the Surgical Planning Laboratory, Harvard Medical School (<http://www.spl.harvard.edu/>, one of the world's leaders in the field of medical image analysis and computer assisted surgery) for one year as a visiting scholar under the supervision of Prof. Ron Kikinis. In May 2011, he was selected as one of the seven laureates of "France Talent Innovation (FTI) Program" launched by the Embassy of France in China, aiming to foster innovation and reinforce links between France and China. Thanks to this program, he visited some of the most prestigious institutes in computer-aided surgery in France, including INRIA Sophia Antipolis, TIMC-IMAG(CNRS), IRISA, Université de Rennes 1, IRCAD, IRCICA(CNRS), etc., and delivered several lectures there. He discussed with some distinguished French scientists including Prof. Nicolas Ayache, Prof. Jocelyne Troccaz, Prof.Christian Barillot, Prof. Pierre Jannin, Prof. Christian Duriez, Prof. Hérve Delingette, Prof.Luc Soler, etc., and some collaborations between France and China have already been established.


<b>Name</b>	<p>Wei Guo Shanghai Jiao Tong University Ph.D &amp; M.D College of stomatology</p> 
<b>Email</b>	<a href="mailto:guoweicn@yahoo.com">guoweicn@yahoo.com</a>
<b>Research interests (general)</b>	1. Targeted therapy/chemotherapy of oral cancers 2. Exome sequencing analysis of Oral mucosal melanoma (OMM)
<b>Research interests for seed program</b>	<p>Oral mucosal melanoma (OMM) is a rare and aggressive form of melanoma accounting for 7.5% of all melanoma cases among Asians. We have been working to improve OMM's treatment effect and prognosis, by performing multidisciplinary therapy or targeted therapy. In our department, 5 years overall survival of OMM reached 30.3% and we have published 10+ related articles.</p> <p>We have performed exome sequencing on tumor tissues of ~40 OMMs (including matched tumor/normal tissue pairs and sole tumor), and we find several genes were recurrently mutated in OMM. Our interest is: based on our exome sequencing data, do data mining using bioinformatic technique, to understand the potential pathogenesis mechanism of oral mucosal melanoma and to explore what clinical significance might OMM 's mutational profile have?</p>
<b>Biography</b>	<p>Dr. Wei GUO, graduated from the Stomatology College of Harbin Medical University in 1983. He was awarded Master degree in 1989 and PhD degree in 1992. From 1999 to 2003, he was appointed to be Vice Dean of School of Stomatology, Shanghai Second Medical University. Professor Wei GUO is specialized in diagnosis and treatment of oral &amp; maxillofacial and head &amp; neck oncology, in particular for malignant melanoma and oral cancer with chemotherapy, biotherapy and multidisciplinary sequential treatments. He has published more than 100 scientific papers. He has published 4 monographs as an Editor-in-Chief. He has been awarded 1 First Prize for Science and technology Progress from the Shanghai government, 1 Third Prize for Science and technology Progress from the Ministry of Education. He has cultivated 14 Doctorate and 8 Master postgraduates until present. In 2003, he furthered his study as a visiting professor on oral and maxillofacial surgery and head and neck tumor surgery at The University of Michigan.</p> <p>Dr.GUO is Chief of Oral &amp; Maxillofacial- Head and Neck Medical Oncology Service at 9th People's Hospital and Professor of Medicine and Stomatology at Medical College of Shanghai Jiao Tong University.</p>

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	<p>Hongliang Gu Shanghai Jiao Tong University School of Continuing education</p>	
<b>Email</b>	<a href="mailto:hlgu@sjtu.edu.cn">hlgu@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Educational data mining; E-learning Technology	
<b>Research interests for seed program</b>	Educational data mining (data science on education)	
<b>Biography</b>	<p>Gu Hongliang PH.D, male, born in 1977, IEEE member, is an associated professor in the School of Continuing Education of SJTU (Shanghai Jiao Tong University), a professional teacher focusing on the Computer Science subject, a master's mentor of education technology, as well as a senior researcher in the E-learning Lab of SJTU.</p> <p>The main education and work experience are as follows:</p> <ol style="list-style-type: none"> <li>1. 1992 Sept. 1996 July, Central South University (China), majoring in Computer Software, Bachelor of Engineering.</li> <li>2. 1998 Sept. –2001 July, Central South University (China), majoring in Computer Engineering, Master of Science.</li> <li>3. 2002 Sept.– 2006 July, Tsinghua University, majoring in Computer Science And Technology, Ph.D</li> <li>4. 2005 May–June, a visiting student of University of Washington, Seattle, USA.</li> <li>5. 2006 August ~Now, ShangHai Jiaotong University.</li> <li>6. 2009 August –October, 2011 March–May, 2012 June –Sept. a visiting scholar of Intel Asia–Pacific Research and Development Ltd.</li> <li>7. 2011 June~ Sept, a visiting scholar of the Open University, United Kingdom.</li> </ol> <p>He successively acquired such honors or awards as, the Zhiyuan prominent teacher of SJTU SCE(2009, 2015), the joint excellent course teacher of the Ministry of Education–Intel(2010), the rank 2 teaching achievement award of SJTU(2010).</p>	

<b>Name</b>	Chentao Wu Shanghai Jiao Tong University Associate Professor, Department of Computer Science and Technology  Group webpage: <a href="http://www.cs.sjtu.edu.cn/~wuct/">http://www.cs.sjtu.edu.cn/~wuct/</a>	
<b>Email</b>	<a href="mailto:wuct@cs.sjtu.edu.cn">wuct@cs.sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Data Storage Systems	
<b>Research interests for seed program</b>	data storage systems	
<b>Biography</b>	<p>Chentao Wu is currently an associate professor in the Department of Computer Science and Engineering at Shanghai Jiao Tong University (SJTU), Shanghai, China. He received the BS degree in computer science and technology, the MS degree in software engineering, and the PhD degree in computer architecture from Huazhong University of Science and Technology (HUST), Wuhan, China, in 2004, 2006, and 2010, respectively. Later, he received the PhD degree in electrical and computer engineering from Virginia Commonwealth University (VCU), Richmond, in 2012. His research interests include computer architecture and data storage systems. He has authored and co-authored more than 30 technical articles in prestigious international conferences and journals, such as IEEE Transactions on Parallel and Distributed Systems (TPDS), IEEE/IFIP International Conference on Dependable Systems and Networks (DSN), IEEE International Parallel and Distributed Processing Symposium (IPDPS), IEEE International Symposium on Reliable Distributed Systems (SRDS), IEEE International Conference on Parallel Processing (ICPP), etc. He is a member of the IEEE, ACM and China Computer Federation (CCF), a member of CCF computer architecture and data storage technical committees, a member of computer architecture technical committees in Shanghai Computer Society, and a vice chair of data storage technical committees in Shanghai Computer Society.</p>	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Weipeng Li Shanghai Jiao Tong University Dept. of Aeronautics and Astronautics	
<b>Email</b>	<a href="mailto:liweipeng@sjtu.edu.cn">liweipeng@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Aircraft design, large-eddy simulation, turbulence and data mining	
<b>Research interests for seed program</b>		
<b>Biography</b>		

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science


<b>Name</b>	Chengbin Ma Shanghai Jiao Tong University UM-SJTU Joint Institute  Group webpage: <a href="http://umji.sjtu.edu.cn/lab/dsc/">http://umji.sjtu.edu.cn/lab/dsc/</a>	
<b>Email</b>	<a href="mailto:chbma@sjtu.edu.cn">chbma@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	System control and optimization, and wide applications from electronic devices, electric vehicles to microgrids and smart grids.	
<b>Research interests for seed program</b>		
<b>Biography</b>	<p>Professor Chengbin Ma received the B.S. degree in industrial automation from East China University of Science and Technology, Shanghai, China, in 1997, and the M.S. and Ph.D. degrees in electrical engineering from The University of Tokyo, Tokyo, Japan, in 2001 and 2004, respectively. From 2004 to 2006, he was an R&amp;D Researcher with the Servo Motor Laboratory, FANUC Limited, Japan. Between 2006 and 2008, he was a Postdoctoral Researcher with the Department of Mechanical and Aeronautical Engineering, University of California, Davis, USA. He joined the University of Michigan-Shanghai Jiao Tong University Joint Institute (UM-SJTU Joint Institute), Shanghai Jiao Tong University, Shanghai, China, in 2008, and currently an Associate Professor of electrical and computer engineering. His research interests include system control and optimization, and wide applications from electronic devices, electric vehicles to microgrids and smart grids.</p> <p>Dr. Ma is currently a Vice Chair, Energy Storage Technical Committee, IEEE Industrial Electronics Society, and an Associated Editor of the IEEE Industrial Electronics Technical News (ITeN) and the IEEE Transactions on Industrial Informatics. At Shanghai Jiao Tong University, he received Outstanding Teaching Award in 2016, Research Excellence Award from UM-SJTU Joint Institute in 2015 and 2016, and the Dynamic Systems Control Laboratory he has established won the award of SJTU Koguan Top Ten Best Research Groups in 2014. The PhD student he supervised won the award of SJTU Top Ten Academic Star in 2016. (email: <a href="mailto:chbma@sjtu.edu.cn">chbma@sjtu.edu.cn</a>; web: <a href="http://umji.sjtu.edu.cn/lab/dsc/">http://umji.sjtu.edu.cn/lab/dsc/</a>)</p>	



One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Chang-Chun PAN Shanghai Jiao Tong University E.E. School	
<b>Email</b>	<a href="mailto:pan_cc@sjtu.edu.cn">pan_cc@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	Data Mining for Location Based Service	
<b>Research interests for seed program</b>		
<b>Biography</b>	<p>Chang-Chun Pan received the Ph.D. degree in system engineering from Shanghai Jiao Tong University, Shanghai, China, in 2009; the M.S. degree in control science and engineering from Nanjing University of Aeronautics and Astronautics, Jiangsu, China, in 2004; He is currently an associate professor with the department of automation, Shanghai Jiao Tong University, Shanghai, China. In 2015 he was a visiting scholar with MIT, Cambridge, MA, USA. In 2010–2011, He was a post doc. researcher with department of chemical engineering in National Tsinghua University, Tsinchu, Taiwan. His research interests include big data analysis with location based service, industrial process scheduling and optimization.</p>	

One-page faculty profile for UM-SJTU Research Collaboration  
8<sup>th</sup> round of seed funding  
Topic: Data Science

<b>Name</b>	Weipeng Li Shanghai Jiao Tong University Dept. of Aeronautics and Astronautics	
<b>Email</b>	<a href="mailto:liweipeng@sjtu.edu.cn">liweipeng@sjtu.edu.cn</a>	
<b>Research interests (general)</b>	data mining of high-dimensional turbulent flows, large-eddy simulation, flow and noise control	
<b>Research interests for seed program</b>	data-driven modeling of turbulent flows	
<b>Biography</b>	<p>Weipeng Li, (born in Sept. 1982 in Hebei, China) is an associate professor in Shanghai Jiao Tong University, China.</p> <p>Education:</p> <p>2006/07, BS, Harbin Institute of Technology, China                  2008/07, Master, Harbin Institute of Technology, China                  2011/09, PhD, Tokyo University, Japan</p> <p>Work Experience:</p> <p>2011.11–2012.10 , Shanghai Jiao Tong University, PostDoc.                  2012.11–2014.10, Shanghai Jiao Tong University, Assistant professor                  2014.11–2015.05 , JAXA, Japan, visiting associate professor                  2015.06–now , Shanghai Jiao Tong University, Associate professor</p> <p>Teaching:</p> <p>Computational Fluid Dynamics                  Engineering program design</p> <p>Research Interest:</p> <p>data mining of high-dimensional turbulent flows, large-eddy simulation, flow and noise control</p>	