



SHENZHEN INSTITUTES OF ADVANCED TECHNOLOGY
CHINESE ACADEMY OF SCIENCES



The 3rd International Conference on Health Information Science (HIS'14)

Program

Sponsored and Organized by

Shenzhen Institutes of Advanced Technology, Chinese Academy of Science
Shenzhen Key Laboratory for Low-cost Healthcare
The University of Chinese Academy of Science, China
UCAS-VU Joint Lab for Social Computing and E-Health Research
Victoria University, Australia
Kangva, China
Kinonline, China

April 21-23, 2014
Shenzhen • China

Contacts: Qihua Liu
Phone: 0755-86392298

Address: 1068 Xueyuan Ave., University Town of Shenzhen, China
Shenzhen Institutes of Advanced Technology, CAS

Preface

The International Conference Series on Health Information Science (HIS) provides a forum for disseminating and exchanging multidisciplinary research results in computer science/information technology and health science and services. It covers all aspects of health information sciences and systems that support health information management and health service delivery. The Third International Conference on Health Information Science (HIS 2014) was held in Shenzhen, China, during April 22-24, 2014. Founded in April 2012 as the International Conference on Health Information Science and their Applications, the conference continues to grow to include an ever broader scope of activities. The main goal of these events is to provide international scientific forums for exchange of new ideas in a number of fields that interact in-depth through discussions with their peers from around the world. The scope of the conference includes: (1) medical/health/biomedicine information resources, such as patient medical records, devices and equipments, software and tools to capture, store, retrieve, process, analyze, and optimize the use of information in the health domain, (2) data management, data mining, and knowledge discovery, all of which play a key role in decision making, management of public health, examination of standards, privacy and security issues, (3) computer visualization and artificial intelligence for computer aided diagnosis, and (4) development of new architectures and applications for health information systems. The conference has solicited and gathered technical research submissions related to all aspects of the conference scope. All the submitted papers in the proceeding have been peer reviewed by the reviewers drawn from the program committee. After the rigorous peer-review process, the submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. A total of 30 full paper submissions were accepted for presentation at the conference. The authors were from six countries, and some will be invited to submit the extended versions of their papers to a special issue of the Health Information Science and System Journal, published by BioMed Central (Springer) and the World Wide Web journal.

The high quality of the program - guaranteed by the presence of an unparalleled number of internationally recognized top experts - can be assessed when reading the contents of the program. The conference will therefore be a unique event, where attendees will be able to appreciate the latest results in their field of expertise, and to acquire additional knowledge in other fields. The program has been structured to favor interactions among attendees coming from many diverse horizons, scientifically, geographically, from academia and from industry.




We would like to sincerely thank our keynote speakers: Professor Lei Xing, Department of Radiation Oncology, Stanford University School of Medicine; and Professor Kendall Ho, Department of Emergency Medicine, The University of British Columbia.



Our special thanks go to the host organizations: Shenzhen Institutes of Advanced Technology, Chinese Academy of Science; Shenzhen Key Laboratory for Low-cost Healthcare; the University of Chinese Academy of Science (China); the UCAS-VU Joint Lab for Social Computing and E-Health Research; and Victoria University (Australia).

Finally we acknowledge all those who contributed to the success of HIS 2014 but whose names cannot be listed here.

Lei Wang
Guiqing Yao
Jing He
Neil R. Smalheiser
April 2014

Organization Committee


General Co-chairs		
	Hairong Zheng	Shenzhen Institutes of Advanced Technology (SIAT), Chinese Academy of Sciences, China
	Leonard Goldschmidt	Stanford University, USA
	Yanchun Zhang	Victoria University, Australia

Program Co-chairs		
	Jing He	Victoria University, Australia
	Neil R. Smalheiser	University of Illinois at Chicago, USA

	Lei Wang	SIAT, China
	Lily Yao	University of Southampton




Industry Program Co-Chair		
	Michael Steyn	Royal Brisbane and Women's Hospital, Australia

Workshop Co-chairs		
	Fengfeng Zhou	SIAT, China
	Jie Zhao	Hebei University, China

	Panel Chair	
	Xiaohui Liu	Brunel University, UK

	Publication Chair	
	Xiaoxia Yin	Victoria University

	Local Arrangement Chair	
	Ye Li	SIAT, China

	Publicity Co-Chairs	
	Yunpeng Cai	SIAT, China
	Xiaohui Tao	University of Southern Queensland, Australia
	Lodewijk Bos	International Council on Medical & Care Compunetics (ICMCC), Netherlands

Program Committee

Brian W-H Ng The University of Adelaide, Australia
 Bo Shen Donghua University, China
 Carlo Combi Universita' degli Studi di Verona, Italy
 Deqin Yan Liaoning Normal University, Dalian, China
 Du Huynh The University of Western Australia, Australia
 Gang Luo University of Utah, USA
 Yi-Ke Guo University of Utah, USA
 Hongli Dong University of Duisburg-Essen, Germany
 Ilvio Bruder University of Rostock, Germany
 Jan Chu Flinders University, Australia
 Jeffrey Kai Chi Chan University of Melbourne, Australia
 Jiming Liu Hong Kong Baptist University, Hong Kong
 Jinhai Cai University of South Australia, Australia
 Juanying Xie Shaanxi Normal University, China
 Kelvin Wong The University of Western Australia, Australia
 Klemens Bhm Karlsruhe Institute of Technology, Germany
 Lei Wang Shenzhen Institutes of Advanced Technology, China
 Matjaz Gams Jozef Stefan Institute, Slovenia
 Mathias Baumert The University of Adelaide, Australia
 Nigel Martin University of London, UK
 Qixin Wang The Hong Kong Polytechnic University, Hong Kong
 Ren Ran Dalian Medical University, China
 Sally McClean Ulster University, UK
 Shengxiang Yang De Montfort University, UK
 Sillas Hadjiloucas University of Reading, UK
 Song Chen University of Maryland, Baltimore County, USA
 Weiqing Sun University of Toledo, USA
 Uyen T. V. Nguyen The University of Melbourne, Australia
 Xi Liang IBM Research
 Xiao He Tsinghua University, China
 Xiuzhen (Jenny) Zhang Royal Melbourne Institute of Technology (RMIT), Australia
 Zhisheng Huang Vrije University of Amsterdam, Netherlands
 Zhiyuan Luo University of London, UK
 Zidong Wang Brunel University, UK
 Zili Zhang Deakin University, Australia
 Wenjing Jia University of Technology, Sydney, Australia
 Xuan-Hong Dang the University of California at Santa Barbara,
 USA

Sponsoring Institutions

Shenzhen Institutes of Advanced Technology, Chinese Academy of Science

Shenzhen Key Laboratory for Low-cost Healthcare

The University of Chinese Academy of Science, China

UCAS-VU Joint Lab for Social Computing and E-Health Research

Victoria University, Australia

The 3rd International Conference on Health Information Science (HIS 2014)

April 21-23, 2014, Shenzhen, China

Monday 21 April 2014

8:30-18:00	Registration
17:30-20:00	Welcome Reception

Tuesday 22 April 2014

	A503	A601
8:30-9:00	Opening Ceremony	
9:00-9:40	Keynote Speech 1	
9:45-10:30	Keynote Speech 2	
10:30-10:45	Coffee Break	
10:45-12:05	Oral Session 1-1	Oral Session 1-2
12:05-13:30	Lunch Break	
13:30-15:30	Oral Session 2-1	Oral Session 2-2
15:30-16:00	Coffee Break	
16:00-18:00	Oral Session 3-1	Oral Session 3-2
18:00-19:00	Banquet	

Wednesday 23 April 2014

	A503
8:30-8:45	Best paper Prize
8:45-9:30	Keynote Speech 3
9:30-10:15	Keynote Speech 4
10:15-10:30	Coffee Break
10:30-12:10	Oral Session 4-1
12:05-13:00	Lunch Break
	City Tour

Keynote Information

Keynote 1: Polymer Biomaterial for Health



**Prof. Robert
Howard Grubbs**

Nobel Laureate, Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology, USA

Biography:

Dr. Grubbs received B.S in Chemistry from University of Florida in 1963; M.S. and Ph.D. in Chemistry from Columbia University in 1965 and 1968. He was NIH Postdoctoral Fellow at Stanford University from 1968-69. He is the Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology, Pasadena, California, USA, and faculty member since 1978. He was at Michigan State University from 1969 to 1978 achieving the rank of

Associate Professor.

The Grubbs group discovers new catalysts and studies their fundamental chemistry and applications. Catalysts facilitate the transformation of organic molecules and are used widely in industry and academia for the preparation of important organic compounds and polymers. A family of catalysts for the interconversion of olefins, the olefin metathesis reaction has been discovered in the Grubbs laboratory. In addition to their broad usage in academic research, these catalysts are now used commercially to prepare new pharmaceuticals, composites for structural applications and for the conversion of biorenewable carbon sources into fuels and commodity chemicals. Catalysts for other useful transformations are also being developed and studied in detail.

His awards have included the Nobel Prize in Chemistry (2005), ACS Award in Polymer Chemistry (1995), Benjamin Franklin Medal in Chemistry (2000), Pauling Award Medal (2003), Arthur C. Cope Award (ACS) (2002), Havinga Medal (2006) (Leiden University), Golden Plate Award (2006) (Academy of Achievement), ACS Award for Creative Invention (2009), Gold Medal of the American Institute of Chemists (2010), ACS Roger Adams Award in Organic Chemistry (2011). He was elected to the National Academy of Sciences (1989), Fellow of the American Academy of Arts and Sciences (1994), the Honorary Fellowship of the Royal Society of Chemistry (2006), Fellows of the American Chemical Society (2009), ACS Polymer Division Fellow (2010). He has 500+ publications and 115+ patents based on his research.

Keynote 2: Imaging, Image Guided Therapy, and Beyond



Prof. Xing Lei

Jacob Haimson Professor, Director of Physics Division Diplomate, American Board of Radiology. Department of Radiation Oncology, Stanford University School of Medicine, USA

Abstract:

During last decade tremendous progress has been made in the development of medical imaging, image guided interventions, nanotechnology, molecular imaging probes and instrumentations. These new technologies have provided significant opportunities to advance medical practice and patient care. In this talk I will first present an overview of current practice of image guided interventions, in particularly image guided radiation therapy and recent technical developments in on-treatment volumetric image guidance. The need for molecular imaging and molecular image guidance will be highlighted. I will then talk about our recent research on high resolution and high sensitivity X-ray and radionuclide molecular imaging techniques, including X-ray luminescence computed tomography, X-ray fluorescence computed tomography, Cerenkov imaging and its potential application in image guided surgery.

Biography:

Dr. Lei Xing is currently the Jacob Haimson Professor of Radiation Physics and Director of Radiation Physics Division of Radiation Oncology Department at Stanford University. He also holds affiliate faculty positions in Medical Informatics, Bio-X and Molecular Imaging Program at Stanford. Dr. Xing obtained his PhD in Physics from the Johns Hopkins University in 1992 and received his Medical Physics training at the University of Chicago. He has been a member of the Radiation Oncology faculty at Stanford since 1997. His research has been focused on inverse treatment planning, tomographic image reconstruction, CT, optical and PET imaging instrumentations, image guided interventions, nanomedicine, and applications of molecular imaging in radiation oncology. Dr. Xing is an author on more than 190 peer reviewed publications, a co-inventor on many issued and pending patents, and a co-investigator or principal investigator on numerous NIH, DOD, NSF, ACS grants and projects from other funding agencies and corporates. He and his lab members have received numerous awards from ACS, AAPM, ASTRO, and RSNA in the past decade. Dr. Xing is on the editorial boards of a number of journals in radiation physics and medical imaging.

Keynote 3: Trends in eHealth: implications for Cooperation in technology-health research, commercialization and applications



**Prof. Kendall Ho,
MD, FRCPC**

Nobel Laureate, Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology, USA

Biography:

Dr. Kendall Ho is a practicing emergency medicine specialist. He is the founding Director of the eHealth Strategy Office, and was the immediate past Associate Dean of the Division of Continuing Professional Development and Knowledge Translation (CPD/KT) up until February 2008, when CPD/KT was transitioned to two units: Continuing Professional Development (CPD) and the eHealth Strategy Office (eHealth). Kendall is a member of the Royal College of Physicians and Surgeons of Canada's Professional Development Committee and a collaborator with the World Health Organization eHealth Observatory. He is the executive director of the Technology Enabled Knowledge Translation Investigative Centre (TEKTIC) interdisciplinary research team in BC and the Vice President of the International Association of Humanitarian Medicine.

Dr. Ho's academic and research interests fall into the domain of technology enabled knowledge translation (TEKT) – the use of information technologies to accelerate the incorporation of latest health evidence into routine practice. Specific directions within TEKT include telehealth, information and communication technologies (ICT) and patient safety, ICT and public engagement, and evidence based policy translation in eHealth. He is a recipient of a number of provincial, national, and international research grants in eHealth and eLearning, and has published related papers and textbook chapters in these subjects.

Keynote 4: Medical Big Data: Medical Data Mining and Innovative Applications



**Prof.
Yanchun Zhang**

Director, Centre for Applied Informatics, Victoria University, Australia

Abstract:

Due to the recent development or maturation of database, data storage, data capturing, patient monitoring and sensor technologies, huge medical and health data have been generated at hospitals and medical organizations at unprecedented speed. Those data are a very valuable resource for improving health delivery, health care and decision making and better risk analysis and diagnosis. Health care and medical service is now becoming more data-intensive and evidence-based since electronic health records are used to track individuals' and communities' health information (particularly changes). These substantially motivate and advance the emergence and the progress of data-centric health data and knowledge management research and practice.

In this talk, we will introduce several innovative data mining techniques and case studies to address the challenges encountered in e-health and medical big data. This includes techniques and development on data streams, data clustering, correlation analysis, pattern recognition, abnormally detection and risk predictions.

Biography:

Yanchun Zhang is a full Professor and Director of Centre for Applied Informatics at Victoria University. Dr Zhang obtained a PhD degree in Computer Science from The University of Queensland in 1991. His research interests include databases, data mining, web services and e-health. He has published over 220 research papers in international journals and conference proceedings including top journals such as ACM Transactions on Computer and Human Interaction (TOCHI), IEEE Transactions on Knowledge and Data Engineering (TKDE), and a dozen of books and journal special issues in the related areas. Dr. Zhang is a founding editor and editor-in-chief of World Wide Web Journal (Springer) and Health Information Science and Systems Journal (BioMed Central), and also the founding editor of Web Information Systems Engineering Book Series and Health Information Science Book Series. He is Chairman of International Web information Systems Engineering Society (WISE). He was a member of Australian Research Council's College of Experts (2008-2010), and is one of the National "Thousand Talents Program" Experts in China (2010--).

Conference Venue

Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences
<http://english.siat.cas.cn/au/ct/>

Address: Xueyuan avenue 1068, Shenzhen University Town, Shenzhen, China
Postal code: 518055
Tel: 86-755-86392288
Fax: 86-755-86392299
Web: <http://www.siat.cas.cn>
E-mail: info@siat.ac.cn (general info) hr@siat.ac.cn (job application)
To visit us: Bus: 6, 36, 43, 49, 74, 81, 122, 237; stop: SIAT

Session Paper

Opening Ceremony

Time: 8:30-9:00, Tuesday 22 April 2014

Location: A503

Session chair: Yanchun Zhang

Keynote speech 1

Location: A503

Time: 9:00-9:40, Tuesday 22 April 2014

- Polymer Biomaterial for Health
Prof. Robert Howard Grubbs

Nobel Laureate, Victor and Elizabeth Atkins Professor of Chemistry at the California Institute of Technology, USA

Keynote speech 2

Location: A503

Time: 9:45-10:30, Tuesday 22 April 2014

- Imaging, Image Guided Therapy, and Beyond
Prof. Xing Lei

Jacob Haimson Professor, Director of Physics Division Diplomate, American Board of Radiology.
Department of Radiation Oncology, Stanford University School of Medicine, USA

Oral Session 1-1

Location: A503

Time: 10:45-12:05, Tuesday 22 April 2014

Chair: Jing He

-Machine beauty – should it inspire eHealth designers?

MarjoRissanen

-Water molecules diffusion in diffusion weighted imaging

Fan Zhang, Zhiwei Cao, Xinhong Zhan, Kui Cao

-Mean Shift Based Feature Points Selection Algorithm of DSA Images

Fan Zhang, Congcong Li, Shan Kong, Shuyue Liu, Yanbin Cui

-fMRI Study of Stereo Vision System

Shanglian Bao

Oral Session 1-2

Location: A601

Time: 10:45-12:05, Tuesday 22 April 2014

Chair: Hai Liu

-Numerical evaluation the effectiveness of the air chamber of shoes pad for diabetes with FE-SPH method

Linan Zhang, Zaobing Xu, Zengtao Hou, Xueling Bai, Peng Shang

-Effect of suture density on the dynamic behavior of the bioprosthetic heart valve: a numerical simulation study

Xin Ye, Linan Zhang, Zaobing Xu, Zengtao Hou, Xueling Bai, Peng Shang

-A Comfortable THz Source for Biological Effect

Huafeng Shi, Bin Yang, Wenlong Yu, Lei Jin

-A Study on the Nonlinearity Relationship between Quadriceps Thickness and Torque Output during Isometric Knee Extension

Xing Chen, Xin Chen, Jizhou Li, Yongjin Zhou

Oral Session 2-1

Location: A503

Time: 13:30-15:30, Tuesday 22 April 2014

Chair: XiaoXia Yin

- A Comparative Study of Improvements Filter Methods Bring on Feature Selection Using Microarray Data
Yingying Wang, Xiaomao Fan, YunpengCai
- Real-Time Estimation of Tibialis Anterior Muscle Thickness from Dysfunctional Lower Limbs using Sonography
Li Xiaolong, Zhou Yongjin, Li Jizhou, Li Huihui, Tan Jianhao
- An Analysis on Risk Factors of Chronic Diseases Based on GRI
Zhuoyuan Zheng, Ye Li, Yunpeng Cai
- A prosthesis control system based on the combination of speech and sEMG signals and its performance assessment
Zheng Wei, Peng Fang, Lan Tian, Qifang Zhuo, Guanglin Li
- Detecting Adolescent Psychological Pressures from Micro-Blog
Yuanyuan Xue, Qi Li

Oral Session 2-2

- Location: A601
Time: 13:30-15:30, Tuesday 22 April 2014
Chair: Xiaohui Hu
- Detecting Abnormal Patterns of Daily Activities for the elderly Living Alone
Tingzhi Zhao, Hongbo Ni, Xingshe Zhou, Qiang Lin, Daqing Zhang, Zhiwen Yu
 - Detecting Noun Phrases in Biomedical Terminologies: the first step in managing the evolution of knowledge
AdilaMerabti, Lina F. Soualmia, Stéfan J Darmoni
 - Color-coded Imaging with Adaptive Multiscale Spatial Filtering
Xinhong Zhang, Xiaopan Chen, Congcong Li, Fan Zhang
 - An Architecture and A Platform for Recording & Replaying the Healthcare Information
Yi Ding, JiGeng, Zhe Xiao, Zhiguang Qin
 - Design and Development of a 3-lead ECG System Based on the ISO/IEEE 11073-10406 Standards
Zhuqing Xiong, Honghui Fan, Weizhong Wang, Gaosheng Xie, Bangyu Hwang

Oral Session 3-1

- Location: A503
Time: 16:00-18:00, Tuesday 22 April 2014
Chair: Yanchun Zhang

- Data Integration in a Clinical Environment using the Global-as-Local-View-Extension Technique
GeorgiStraube, IlvioBruder, DortjeLoeper, Andreas Heuer
- Fall Detection with the Optimal Feature Vectors Based on Support Vector Machine
Zhang Jing, Li Huiqi, Zhao Guoru
- Pre-impact & Impact Detection of Falls Using Built-In Tri-Accelerometer of Smartphone
Liyu Mao, YunkunNing, Guoru Zhao
- Application of Mobile Internet Security in the Wearable Medicine
Taoling Xie
- Mining Order-Preserving Submatrices Based on Frequent Sequential Pattern Mining
Yun Xue, YutingLi, Zhengling Liao

Oral Session 3-2

- Location: A601
Time: 16:00-18:00, Tuesday 22 April 2014
Chair: Jing He
- Unsupervised Segmentation of Blood Vessels From Colour Retinal Fundus Images
Xiaoxia Yin
 - Mobile Graphic-based Communication: Investigating Reminder Notifications to Support Tuberculosis Treatment in Africa
Haji Ali, Hussein Suleman, Ulrike Rivett
 - Research on applications of Multi-Agent System based on Execution Engine in Clinical Decision-making
Zhenzhen Yan, Liang Xiao, Jianzhou Liu, Yumin Hu, Qiuju Wei, Xusong Liu, Xing Liu
 - Multi-Agent Based Clinical Knowledge Representation with Its Dynamic Parse and Execution
Yumin Hu, Liang Xiao, Xing Liu, Jianzhou Liu, Zhenzhen Yan, Qiuju Wei, Haifeng Chen
 - Multiscale geometric active contour model and boundary extraction in kidney MR images
Ling Li
 - Discovering New Analytical Methods for Large Volume Medical and Online Data Processing
HaoLan Zhang, RoozbehZarei, Chaoyi Pang and Xiaohui Hu

- Session Chair: Lei Wang
Best paper Prize
Time: 8:30-8:45, Wednesday 23 April 2014
Keynote speech 3
Location: A503

Time: 8:45-9:30, Wednesday 23 April 2014

-Trends in eHealth: implications for Cooperation in technology-health research, commercialization and applications

Prof. Kendall Ho, MD, FRCPC

Director, eHealth Strategy Office, Department of Emergency Medicine, The University of British Columbia, Canada

Keynote speech 4

Location: A503

Time: 9:30-10:15, Wednesday 23 April 2014

- Medical Big Data: Medical Data Mining and Innovative Applications

Prof. Yanchun Zhang

Director, Centre for Applied Informatics, Victoria University, Australia

Oral Session 4-1

Location: A503

Time: 10:30-12:10, Wednesday 23 April 2014

Chair: Fengfeng Zhou

- Research on General Temporal Fuzzy Soft Set and Application for Doctor Recommendation

Hai Liu, Yong Tang, Chen Qimai

-Pre-hospital trauma assessment by combining multiple trauma scoring systems

Guilan Kong, Xiaofeng Yin, Tianbing Wang, Baoguo Jiang

-Evidence of, and contextual factors responsible for, resistance to anti-malarial drugs in Bangladesh

Nazrul Islam, Shan Jiang, Stefanos Bonovas, Georgios K. Nikolopoulos

-The research of web service in Intelligence medical diagnostic system based on multi-agent

Qiuju Wei, Liang Xiao, Xing Liu, Zhenzhen Yan, Yumin Hu, Jianzhou Liu

-A Probe into the Status and Performance of eHealth in Bangladesh: A Case Study

Arup Barua

- Research on health information and health service administration

Yuhong Su

Venue, Accommodations, Traffic

Conference venue

Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

The Shenzhen Institutes of Advanced Technology (SIAT) of the Chinese Academy of Science (CAS) comprise five institutes and numerous other labs and facilities. SIAT was jointly established by CAS, the Shenzhen municipal government and the Chinese University of Hong Kong in February 2006. SIAT aims to enhance the innovative capacity of the equipment manufacturing and service industries in the Guangdong-Hong Kong region, promote the development of emerging industries possessing their own proprietary intellectual property, and become a world-class industrial research institute.

SIAT's main component divisions include the Shenzhen Institute of Advanced Integration Technology (SIIT), the Institute of Biomedical and Health Engineering (IBHE), the Institute of Advanced Computing and Digital Engineering (IACDE), the Institute of Biomedicine and Biotechnology (IBB) and the Guangzhou Institute of Advanced Technology (GIAT), as well as the National Engineering Laboratory of Biomedical Informatics and Healthcare and the National Engineering Laboratory of High-density Integrated Circuit Packaging Technology. It is also home to five key labs and platforms at the provincial level and 18 key labs and platforms at the municipal level.

Over the past seven years, SIAT has made significant achievements in human resource development, academic research and technology commercialization. SIAT's staff has dramatically increased from five in March 2006 to over 1,200 in June 2013, as well as more than 800 students. Among SIAT's staff are 14 IEEE fellows, two CAS academicians, 12 fellows of the National Thousand Talents Program and three Leading Scientists of Guangdong. A total of 32 researchers from SIAT have been selected as CAS Hundred Talents Program fellows. Furthermore, over 500 of SIAT's scientists have a doctoral degree and 300 have overseas study or work experience.

To meet the nation's needs in healthcare and manufacturing, SIAT focuses on emerging industries such as low-cost healthcare, service robots, electric vehicles, cloud computing, digital cities, nanomedicine, new energy and new materials.

SIAT has established partnerships with more than 500 firms including Huawei, Midea and China International Marine Containers (Group) Ltd., among others. It has attracted over 80 million yuan of industrial investment and incubated 60 high-technology companies.

SIAT has also established long-term cooperative ties with many foreign academic and research

institutions, including Stanford University (USA), NICTA (Australia), TRILabs (Canada), the University of Hamburg (Germany), the University of Southampton (UK) and many other institutions.

Address: Xueyuan avenue 1068, Shenzhen University Town, Shenzhen, China

Postal code: 518055

Tel: 86-755-86392288

Fax: 86-755-86392299

Web: <http://www.siat.cas.cn>

To visit us:

Bus: 6, 36, 43, 49, 74, 81, 122, 237; stop: SIAT



Taxi to SIAT

From Shenzhen Bao'an International Airport: distance 26.3KM. The price will be around 73RMB. It will take around 35 minutes if there is no traffic jam.

From Shenzhen North Railway Station: distance 8.2 KM. The price will be around 28RMB. It will take around 14 minutes if there is no traffic jam.

From Shenzhen Railway Station: distance 22.1KM. The price will be around 62RMB. It will take around 30 minutes if there is no traffic jam.

Accommodations

A : Seavie O' City Hotel, Shen Zhen, China

Phone: (86) 400 999 6067

Address: 3-5 Guangqiao Street, NanshanQu, Huaqiaocheng, Shenzhen

<http://www.ocity-hotel.com/>

B: Vienna Hotel (Shenzhen University Branch)

Tel: (86) 0755-26723888 Fax: (86) 0755-26723999

Address: 1# Pingshanlu, XiliZheng, Pingshancun, Nanshanqu, Shenzhen, China

http://www.wyn88.com/resv/hotel_A21.html

C: B&B Motel

Tel: (86) 0755-26701188

Address: 39# Linanlu, Nanshanqu, Xili, Shenzhen, Guangdong Province

http://map.baidu.com/detail?third_party=seo&qt=ninf&uid=0e6a73ce48093743353a716a&detail=hotel

Lunch Place: (Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Zhuyifang) 中国科学院深圳先进技术研究院煮意坊

Dinner Place: 21st, April, Monday, Jinbaihe Hotel, Xili Nanshanqu, Shenzhen (opposite to xili lake open range zoo) 广东深圳南山区西丽湖野生动物园对面, 深圳金百合大酒店

22nd, April, Tuesday, Huanle Hai'an Laofangzi Hotel, NanshanQu, 8# Baishilu, huangqiaochenghuanlehai'anqushuiwan 1D, 南山区白石路东8号华侨城欢乐海岸曲水湾1D栋, 欢乐海岸老房子

Assembly point for dinners: 6:00 pm on both 21st, April and 22nd, April from the lobby of Shenzhen Institutes of Advanced Technology

Contact:

Qiuhua Liu: 15889675182

Han Yan: 13570899209

Xin Jin: 18002564954

City Tour

Xichong seaside resort, Yangmeikeng leisure bicycle ride ---half a day

13:00 Collection at designated location, take a bus to Shenzhen Dapeng Peninsula Yangmeikeng resort (about 1 hour)

14:00 Free ride in Yangmeikeng scenic spot: You can choose a romantic tandem bicycle, or choose a free single bicycle. You can imagine: When a tandem bicycle in the beautiful coastal road goes forward slowly, the sea breeze flutter your hair, your hair is next to your friends or acquaintance closest colleagues, and in front of you is blue sea, the heart is so light that all the tedious life are gone, only written in your face happiness and satisfaction. Joy sometimes really very simple!



16:00 Take a bus to the most stunning coastline in eastern Shenzhen 【Xichong seaside tourist resort】 (about 40 minutes): Washed beaches and panoramic views of the South West Pacific vast ocean views, this is one of China's the eight most beautiful beaches, which is 5 KM long. Visitors can enjoy the beach, sun, sea, sea breeze which give you an unprecedented relax. You can enjoy the most pure sea view charm and you may walk on the fine sandy beach, or do some sand dredging, crabs catching, cockle picking and so on.



17:00 Barbecue at Xichong beach.



19:00 Take our bus back to the city, ending the appointment journey!