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CONFERENCE COMMITTEE
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Rongrong Fan
Professor, Department of Medical Devices, Center for Advanced Drug Research, National Medical Products Administration

Xiaoping Gao
Director, Shanghai General Hospital, Shanghai Jiao Tong University

Li Guo
Dean, Shanghai Jiao Tong University School of Medicine

Wenxiu Gu
Director, Shanghai Children’s Medical Center, Shanghai Jiao Tong University School of Medicine

Jian Gao
Director, National Medical Products Administration Institute of Executive Development

Zhongkai Huang
Director, Shanghai Jiao Tong University School of Medicine

Yilun Hu
Dean, School of Medical Devices, Shanghai University of Medicine & Health Sciences

Jiexian Huang
Director, Medical Products Administration Institute of Executive Development

Zhengjiang Jia
Director, Shanghai Children’s Medical Center, Shanghai Jiao Tong University School of Medicine

Yijian Li
Director, Shanghai Magnetic Resonance Imaging Research Center

Yi Liu
Director, Department of Neurosurgery, Shanghai Jiao Tong University School of Medicine

Pan Xu
Director, Department of Radiology, Shanghai Jiao Tong University School of Medicine

Yunfeng Shen
Director, Department of Anesthesiology, Shanghai Jiao Tong University School of Medicine

Yonglin Shao
Director, Department of Nuclear Medicine, Shanghai Jiao Tong University School of Medicine

Jianmin Liu
Director, Shanghai Jiao Tong University School of Medicine

Jinfeng Su
Dean, College of Medicine, Shanghai Jiao Tong University

Yong Wang
Director, Shanghai Advanced Interdisciplinary Studies, Peking University
大会委员会
CONFERENCE COMMITTEE

组织委员会 Organizing Committee

主席 Director

徐新

中国上海拜希医疗器械有限公司董事长

上海拜希医疗器械有限公司联合创始人

Xin Xu

Deputy Director, Science and Technology and Economic Commission of China (Shanghai) Pilot Free Trade Zone

秘书长 Secretary

张明

拜希医疗器械有限公司首席执行官

Shanghai Bix Medical Technology Co., Ltd.

参加者

Committee Members

祝新

拜希医疗器械有限公司董事长

Gangui Wang

Chairman and General Manager, Shanghai Bix Medical Technology Co., Ltd.

杨岷

中国上海拜希医疗器械有限公司董事长

Qingying Wang

Secretary to the Director, Department of Obstetrics and Gynecology, Tenth People's Hospital of Tongji University

赵明

上海拜希医疗器械有限公司联合创始人

Shengjing Wang

General Manager, Shanghai Bix Medical Technology Co., Ltd.

张蕾

拜希医疗器械有限公司总经理

Yan Yang

Dean, Beijing Weshen Medical Research Institute

张明

拜希医疗器械有限公司首席执行官

Yong Shi

Director, Department of Platform Services, Shanghai Center of Biomedical Development

张明

上海拜希医疗器械有限公司总经理

Jinghai Zhang

General Manager, Shanghai Ruiseen Laser Technology Co., Ltd.

张明

拜希医疗器械有限公司总经理

Hai Zhao

China Manager, OTM

大会秘书处 Secretary General

李莉

上海拜希医疗器械有限公司办公室主任

Yunjie Liao

Director, Technology Transfer Center, University of Shanghai for Science and Technology

韩毅

上海理工大学医疗器械创新中心办公室主任

Jenny Holder

Assistant to the Director, Medical Devices Center, University of Minnesota

侯英梅

上海理工大学医疗器械创新中心办公室主任

David Melander

Assistant to the Director, Medical Devices Center, University of Minnesota

郭勇

上海理工大学医疗器械创新中心办公室主任

Wei Chen

Vice President, Nios Discovery Capital

张明

上海理工大学医疗器械创新中心办公室主任

Ruihe Tian

General Manager, Bixtech & Medical Device Components Company, Space Holding Group

孙明

上海理工大学医疗器械创新中心办公室主任

Zhirong Tang

Assistant, ForQity Medical
### 2019年12月6日（星期五）——第一天

<table>
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<td>10:15</td>
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| 11:00 | "临床需求探索"  
Gwen Fischer  
Medtronic Children's Hospital |
| 11:30 | 午餐 |
| 12:15 | 咨询与交流 |
| 13:00 | "精准医疗"  
Steven Thomalla  
宾夕法尼亚大学博士 |
| 13:45 | "专业论坛"  
Ryan Krouthman  
Zurich Medical Engineering |
| 15:15 | 休息 |
| 15:30 | "物联网"  
Mike Finch  
宾夕法尼亚生物医学工程学院、卡尔顿管理学院、公共卫生学院 |
| 16:15 | 汇报与交流 |
| 16:45 | 圆桌讨论 |
| 17:30 | 闭幕词 |

### 2019年12月7日（星期六）——第二天

<table>
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| 17:30 | 闭幕词 |

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**Friday, December 6, 2019**

**Full day**  
Function Room 1  
Medical Device Innovation Workshop

**Saturday, December 7, 2019**

**AM**  
Grand Shanghai Ballroom 263  
Welcome, Plenary and Welcome Presentations

**PM**  
Grand Shanghai Ballroom 2  
Anesthesia and Perioperative Science — Hands-On Workshops

**Sunday, December 8, 2019**

**AM**  
Grand Shanghai Ballroom 2  
Summit on Clinical Engineering Innovation and Development

**PM**  
Grand Shanghai Ballroom 2  
New Devices & Procedures
### 2019年12月7日（星期六）—第二天
#### 上海大宴会厅Z

**08:00-09:00**
注册及早餐

**09:00-09:50**

<table>
<thead>
<tr>
<th>主题</th>
<th>演讲者</th>
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<tr>
<td>开幕式</td>
<td>刘小冰 副主任医师，上海儿童医学中心心内科主任</td>
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**09:50-11:30**

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**11:30-12:30**
午间

### Saturday, December 7, 2019 Grand Shanghai Ballroom2&3

**08:00-09:00**
Opening Session

**09:00-09:50**

<table>
<thead>
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**09:50-11:30**

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**12:30-17:00**

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### Anesthesia and Perioperative Science---Hemodynamics

**Saturday, December 7, 2019**

**12:30-17:00**
Grand Shanghai Ballroom2
**PROGRAMME**

**PEDIATRIC MEDICAL DEVICE INNOVATIONS**
**Saturday, December 7, 2019**

**12:30-14:30**

**Grand Shanghai Ballroom 3**

**Pediatric Medical Device Innovations**

- **Santhosh Ram**
  - Critical Care Physician, University of Minnesota Masonic Children’s Hospital
  - **Title:** Asia Pacific Critical Care Market and Medical Device Sales

- **Jing Huang**
  - Consultant, Medtech Consulting
  - **Title:** The Potential of Medical Device Innovations in China

- **Shuang Wang**
  - Regulatory Affairs Director, Cardiovascular Oncop and Clinical Evaluation, Medtronic
  - **Title:** The Future of Pediatric Imaging Therapy

**SURGICAL ROBOTICS & COMPUTATIONAL SURGERY**
**Saturday, December 7, 2019**

**15:00-17:00**

**Grand Shanghai Ballroom 3**

**Future and Vision of Robotics**

- **Tobias Kowall**
  - Richard and Barbara Nelson Assistant Professor, University of Minnesota
  - **Title:** The Future of Robotics in Medicine

- **Recent Advances in Surgical Robotics and Vision for Surgical Robotics in China**
  - **Speaker:** Feng Wang
  - **Title:** State-of-the-Art in Robotic Surgery in China

- **The Role of Artificial Intelligence in Medical Robotics**
  - **Speaker:** Yong Zhang
  - **Title:** AI in Medical Robotics: A Promising Future
International Medical Device Innovation Competition
Saturday, December 7, 2019
12:30-17:00
Function Room 2

Yuying Liao (Host), Director, Business Division of Technology Transfer Center, USST
Registration
Background Introduction
Welcome address
Project, solution roadmap and scored by experts
Judges/Patents

Dawei Xu, Director, Shanghai BioMedical Technology Industry Promotion Center
Zhijian Gong, Director, National Medical Products Administration Institute of Executive Development
Beizhi Liu, Dean, School of Medical Instrument and Food Engineering, USST
Deqin Tang, Director of Shanghai Industrial Corporation Promotion Center
Jinhua Zhang, Vice President, Shanghai General Hospital, Shanghai Jiao Tong University School of Medicine
Hui Zhong, General Manager, Shanghai Saino Investment Group Co., Ltd.

World Medical Engineering Innovation and Development Summit
Sunday, December 8, 2019
09:00-17:00
Grand Shanghai Ballroom 2

Jian Zhang (Host), Director of Asset Management Office, Renji Hospital, Shanghai Jiaotong University School of Medicine
Welcome address
Guests introduction
Responsibility to adverse events in medical devices
Fang Deying, Director of Medical Devices, Center for Adverse Drug Reactions, National Medical Products Administration
and medical device management
Zhidong Wen, Director of Affiliated Children’s Hospital, Shanghai Jiao Tong University School of Medicine
Innovative Methods for Using Modeling & Simulation for Medical Device Design
Ant Elsteban, Director of the Car E, Sitton Medical Devices Center, University of Wisconsin
Launch
Zhichao Li (Host), Dean of Medical Devices, Shanghai University of Medicine & Health Sciences
Standardization Strategy of Digital Health
Shan Jiang, Vice-Dean of Shanghai Artificial Intelligence for Health Focus Group
How progress in research on diagnosis and treatment of lung cancer with Internet of Things technology
Chunxia Su, Professor, The second hospital affiliated to Fudan University, Director, Shanghai Respiratory Research Institute, Director, Respiratory Research Institute of Fudan University
Medicinal Engineering Innovation and Development under the Framework of Healthy China
Jianhua Liu, Director of Operations Management Department, Shanghai Pu-Fu Hospital (East hospital affiliated to Fudan University), Director, Respiratory Research Institute of Fudan University
Development and innovations of domestic surgical robots
Chao Wu, General Manager of 3D Merit Shanghai Medical Robot Co., Ltd.
Panel: Opportunities and challenges facing the development of medical engineering in the new situation
Closing Video

International Medical Device Innovation Competition
Saturday, December 7, 2019
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3D打印AR/VR在手术及手术规划中的应用 2019年12月8日（星期日）一-三天

09:00-10:00 上海文汇厅

Mark Weide（主席），美国哈佛医学院免疫学系教授

Role of 3D Printing/AR/VR in Surgery & Surgical Planning
Sunday, December 8, 2019

09:00-10:00 Grand Shanghai Ballroom 3

Mark Weide（主持），Section Head, Technology Development, Major Clinic Division of Engineering

穿戴医疗技术专题 2019年12月8日（星期日）一-三天

10:30-11:30 上海文汇厅3

Lars Eidem（主席），Refund Inc. 监事和高级顾问，美国哈佛商学院

Wearable Medical Technology
Sunday, December 8, 2019

10:00-11:30 Grand Shanghai Ballroom 3

Wearable Neuronavigation to Improve Balance Function and Gait
Lars Eidem（主席），PhD, Co-Founder, Refund Inc., Faculty, University of Minnesota

Portable Diagnostic Devices Based on Nanobioensors
Shirley Tang, Professor of Chemistry, Associate Dean Research, Faculty of Sciences, University of Waterloo

医学前沿技术与转化模式探讨 2019年12月8日（星期日）一-三天

09:00-10:30 多功能厅1

Ben Ren, Yue（主席），以色列大学费奥里德学院，以色列科技委员会

Translational medicine practice
Jin Li, Professor, Vice President of Tongji University Hospital affiliated to Tongji University, Director of Tongji University School of Medicine Patent Research and Transformation Center

Panel discussion
Ben Ren, Yue（主持），Director, Department of Obstetrics and Gynecology, Head and Neck Surgery, University of Minnesota

Jin Li, Professor, Vice President of Tongji University Hospital attached to Tongji University, Director of Tongji University School of Medicine Patent Research and Transformation Center

Ling Liang, General Manager of the Center for Innovation and Transformation in Medicine, University of Minnesota

Yue Ren, Li, Director of Technology Transfer Center, USST

Weiran Gu, General Manager of Innovation and Transformation Center, Tongji University School of Medicine

CRO专题 2019年12月8日（星期日）一-三天

10:30-11:30 多功能厅1

CROs and the Innovation Environment: China’s Medical Device Industry
Joel Lin（主席），Adjunct Professor, National Taiwan University, Taipei

Edward Blake（主席），NAMSA中国台湾地区创新主管

Contract Research Organization (CRO)
Sunday, December 8, 2019

10:30-11:30 Function Room 1

Current Market Access & Regulation In Launching a MedTech Product of Asia (outside China)
Joel Lin（主持），Adjunct Professor, National Taiwan University, Taipei

MedTech Reimbursement: Getting Paid in the USA
If "The Size", I Have a Reimbursement Strategy—"The Size"，I Have a Business Plan
Edward Blake（主持），MD, Director, Global Reimbursement Strategy, NAMSA, Inc.
Interventional Medical Devices: Cardiovascular
Sunday, December 8, 2019
09:00-11:30
Function Room 2

Dr. Heng Cai (head), Associate Professor, School of Medical Instrument and Food Engineering, University of Shanghai for Science and Technology

The status quo and development of Chinese neurosurgical intervention
Jianmin Liu, Director, Department of Neurosurgery, Shanghai Brain Hospital, Shanghai Jiao Tong University School of Medicine

Application of neurointerventional embolization treatment after intracranial aneurysm
Ruyi Zhang, Director, Department of Neurology, Renji Hospital, Shanghai Jiao Tong University School of Medicine

Targeted intervention of vascular remodelling in aortic dissection
Jiai Zhou, Professor of Vascular Surgery, Shanghai Hospital, Affiliated to Shanghai Sixth People's Hospital

Progress in the development of drug-eluting stents
Yanyu Ai, Director, Shanghai Materials and Devices Engineering Center, Academy for Advanced International Studies, Peking University

Break

Progress in Interventional medical device development and clinical applications in the field of heart failure
Zhongfang Tang, Founder and general manager of ForQy Medical

Development of innovative treatment techniques for ischemic stroke
Shuhai Wang, Chairman and General Manager of Shanghai Heartland Medical Technology Co. Ltd.

Development of vascular interventional medicine products
Shangping Wang, General Manager of Shanghai Embolus Medical Technology Co., Ltd.

New Dental Devices & Procedures
Sunday, December 8, 2019
12:30-17:30
Grand Shanghai Ballroom 3

Shape Optimization of Dental Restorations
Alex Fox (Head), PhD, MSc, Director, Minnesota Dental Research Center for Biomaterials and Biomechanics (MDCBB)

Dental – an under-recognized device design and development platform
Dianne Noke, Professor and Executive Dean, School of Dentistry, King’s College London

MaxCall device engineering, Belgium
Ant Biederman, Chief of the Dental & Biomedical Devices Center, Founder and Chair of the Design of Medical Devices Conference

3D Printing Strategies for Extensive Craniofacial Reconstruction
Lukasz Polak, Director of Craniofacial Orthopedics, Regenerative Applications Lab, Department of Biomaterials and Biomechanics, New York University

Break, Networking, Sponsor Showcase
Alex Fox (Head), PhD, MSc, Director, Minnesota Dental Research Center for Biomaterials and Biomechanics (MDCBB)

Design and development of MRI-coats for dental applications
Douglas R. Nadler, DDS, MBA, Director, Department of Diagnostic and Biological Sciences, Minnesota Dental Coatings, Inc.

AI and Smart Manufacturing in Dentistry
James R. Fish, MD, DDS, Associate Professor, Dental Materials Science and Assistant Dean for Clinical and Experiential Learning at NDSU College of Dentistry

Closing Video
Mike Finch
Children’s Hospitals & Clinics

Michael Finch, Ph.D., received his degree in Sociology from the University of Minnesota. From 1994 to 1998 he was a member of the faculty of the Division of Health Services Research and Policy at the University of Minnesota where he taught the core of Associate Professor with tenure. From 1998 through 2004 Dr. Finch was Director of Research Programs for UnitedHealth Group. He is currently a member of the Faculty at the University of Minnesota with appointments in the Carlson School of Management and the School of Public Health. He teaches the required Healthcare Marketplace course for MLND and is one of the instructors for the Medical Industry Valuation Laboratory.

Gwen Fischer
Critical Care Physician, University of Minnesota Masonic Children’s Hospital

Gwen Fischer is a pediatric Critical Care Physician at the University of Minnesota Masonic Children’s Hospital, where she provides care to critically ill children and their families. Dr. Fischer received her medical degree from the University of Chicago and completed her medical training at the University of Minnesota. She then joined the Pulmonary and Critical Care Medicine Division as an attending physician and is currently the Director of the Pediatric Critical Care Unit. Dr. Fischer is also an active member of the Pediatric Critical Care Society and has been involved in various committees and task forces. She is actively involved in research and has published numerous articles on pediatric critical care topics. Dr. Fischer is a strong advocate for patient safety and is committed to improving outcomes for critically ill children.

Steven D. Thomlins
BS, MS, advanced PhD student, University of Minnesota

Steven D. Thomlins has a strong background in engineering and has expertise in both mechanical and biomedical engineering. He received his BS in Mechanical Engineering from the University of Minnesota. He is currently a senior in the Mechanical Engineering department at the University of Minnesota. He has received multiple awards for his research and has published several papers in high-impact journals. He is currently investigating the use of soft materials in medical devices and has developed novel techniques for the design and fabrication of soft materials.

Ryan Kruchten
Zurich Medical Engineering

Ryan Kruchten is a medical engineer and inventor with extensive experience in the field of medical device development. He received his PhD in Mechanical Engineering from the University of Minnesota and has been recognized for his contributions to the field of medical device design and development. Ryan has been awarded multiple patents for his innovative designs and has published numerous articles in top-tier journals. He is a member of the American Society of Medical Devices and has been a keynote speaker at several international conferences. Ryan is currently leading a team of engineers to develop a new medical device that aims to improve patient outcomes.

Gwen Fischer is a pediatric Critical Care Physician at the University of Minnesota Masonic Children’s Hospital. She is also an active member of the Pediatric Critical Care Society and has been involved in various committees and task forces. She is actively involved in research and has published numerous articles on pediatric critical care topics. Dr. Fischer is a strong advocate for patient safety and is committed to improving outcomes for critically ill children.

Steven D. Thomlins has a strong background in engineering and has expertise in both mechanical and biomedical engineering. He received his BS in Mechanical Engineering from the University of Minnesota. He is currently a senior in the Mechanical Engineering department at the University of Minnesota. He has received multiple awards for his research and has published several papers in high-impact journals. He is currently investigating the use of soft materials in medical devices and has developed novel techniques for the design and fabrication of soft materials.

Ryan Kruchten is a medical engineer and inventor with extensive experience in the field of medical device development. He received his PhD in Mechanical Engineering from the University of Minnesota and has been recognized for his contributions to the field of medical device design and development. Ryan has been awarded multiple patents for his innovative designs and has published numerous articles in top-tier journals. He is a member of the American Society of Medical Devices and has been a keynote speaker at several international conferences. Ryan is currently leading a team of engineers to develop a new medical device that aims to improve patient outcomes.
Marc Horner
Principal Engineer, Healthcare, ANSYS, Inc.

Marc Horner has been at ANSYS for 16 years, working on a variety of medical projects. After earning a PhD in Chemical Engineering from Northwestern University in 2001, Marc began his career providing support and professional services to biomaterials and pharmaceutical industry clients before transitioning to a healthcare business and technology development role.

Marc has a number of leadership positions in the industry. This includes Vice Chairman of the AMSE VIVAS Sub-Committee—which is establishing VIVAS standards for the medical device industry, and the AMSE VIVAS Standards Committee— who oversees the creation of both physical and virtual standards. Marc is also the Senior Medical Advisor to the group, and is a member of the Professional Development sub-committee with responsibility for education and training.

American Kenton Wilson (Kent Wilson) is the President and CEO of Wilson Medical, an entrepreneurial company. Kent is an experienced medical technology professional with over 16 years of experience in the medical device industry and 8 years in the life science software industry.

Kenton has a proven track record of driving successful strategic initiatives and growing small entrepreneurial businesses. He has led the re-engineering of medical device companies and launched new businesses in the heart valve, drug infusion, and medical software markets. Kent is the founder and President of Wilson Medical, a medical device company that designs, manufactures, and markets biocompatible valves and other medical devices.

Kenton has held positions at companies such as Medtronic, IDEAL Medical, and the Vascular Group. He has managed large portfolios and teams in diverse engineering and technical functions. He has also served as the Chief Engineer of a multimillion-dollar product line.

Kenton has a Bachelor of Science in Mechanical Engineering from Texas A&M University and a Master of Business Administration from the University of Texas at Austin.

Former President and CEO of Boston Scientific Corporation, as well as a member of the American Society for Reconstructive Microsurgery, Kenton has been named to the Big Idea Competition Finalists in the Heart Valley and the Life Science Software Industry.

Dr. Marc Horner is a clinical engineer focusing on healthcare applications at ANSYS, Inc. Marc joined ANSYS after earning a PhD in Chemical Engineering from Northwestern University in 2001. Marc began his career providing support and professional services to biomaterials and pharmaceutical industry clients before transitioning to a healthcare business and technology development role.

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麻醉与围术期科学—血流动力学专场

麻醉与围术期科学—血流动力学专场

Speaker: Xuefeng Yu

President of the Department of Anesthesiology, Jiaxing Branch Jiuji Hospital, Shanghai Jiaotong University School of Medicine

Speaker: Jie Li

Chairman of the Board, Shanghai Jiaotong University Medical Device Group Co., Ltd.

Speaker: Koji Sato

CEO, US GTM Medical

Speaker: Guangming Xu

Deputy Director of the Department of Anesthesiology, Jiuji Hospital, Shanghai Jiaotong University School of Medicine

Speaker: Junjie Bian

Chairman of the Board, Zhijiang Shangri Biomedical Medicine & Device (Shanghai) Co., Ltd.

Speaker: Jay Yang

CEO, US GTM Medical

Speaker: Yinghe Li

President, Shanghai Jiaotong University Medical Device Group Co., Ltd.

Speaker: Guangming Xu

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Deputy Director of the Department of Anesthesiology, Jiuji Hospital, Shanghai Jiaotong University School of Medicine

Speaker: Junjie Bian

Chairman of the Board, Zhijiang Shangri Biomedical Medicine & Device (Shanghai) Co., Ltd.

Speaker: Koji Sato

CEO, US GTM Medical

Speaker: Yinghe Li

President, Shanghai Jiaotong University Medical Device Group Co., Ltd.
Owen Fischer

Assistant Professor, University of Minnesota Masonic Children’s Hospital

Owen Fischer is a pediatric medical device inventor and entrepreneur.

Alison Taber

Pediatric Critical Care Fellow, University of Minnesota

Alison Taber is a pediatric critical care fellow at the University of Minnesota with plans to pursue further training in cardiovascular intensive care.

Xiaopeng Wang

Regulatory Affairs Director, Cardiovascular Group and Clinical Evaluation, Medtronic Greater China Region

Xiaopeng Wang is the regulatory affairs director at Medtronic.

Wei Ji

Chief Physician, Children’s Medical Center, Shanghai Jiao Tong University School of Medicine

Wei Ji is the chief physician at the Children’s Medical Center in Shanghai.

Wendy Xie

MD, PhD, Chief Physician, Department of Pediatrics, Shanghai Jiaotong University School of Medicine

Wendy Xie is a chief physician at the Department of Pediatrics at Shanghai Jiaotong University School of Medicine.
Randy Schaad

Digital Security, Inc.
Chief Technology Officer

Kevin Fu

Associate Professor of EECS, University of Michigan

Wenyuan Xu

Professor, College of Electrical Engineering, Zhejiang University

Randy Schaad is the Chief Technology Officer for Digital Security, Inc., a cyber security services firm focused on delivering industry-leading expertise in cyber security strategy, risk management, and defense.

Kevin Fu is an Associate Professor of EECS at the University of Michigan, with research interests in cryptography and network security. He is currently leading the Cryptography and Network Security (CNS) Group at the University of Michigan. His research focuses on the intersection of cryptography and computer science, with a particular emphasis on the design and analysis of cryptographic protocols.

Wenyuan Xu is a Professor of Electrical Engineering and Computer Science at Zhejiang University. He received his Ph.D. in Electrical Engineering from the Massachusetts Institute of Technology in 2006. His research interests include computer security, cryptography, and information theory.
Tymothy Kowalewski
PhD, 2011, Electrical Engineering, University of Washington, Seattle
M.S. 2009, Control and Robotics, University of Washington, Seattle
B.S.E. 2005, Electrical Engineering, University of Washington, Seattle
Research
The goal of my research is to advance the emerging field of computational surgery: the fusion of signal processing, control, computer vision, and computer graphics to enable new surgical techniques. The key innovation is the development of novel techniques to free surgeons from the constraints of time and health data that otherwise limit their ability to perform complex procedures. My research projects leverage this data and are one of the four areas, each requiring close collaboration with surgeons, healthcare providers, and industrial partners.

Great Ideas
These are unmeraculated surgical tools whereby quantitative techniques in the operating room. Applications include surgical procedures that can provide online diagnosis of tissue or prevent untended damage as well as for tumor treatments, operating room materials, and patient safety.

Surgical Navigation
This includes a new technology that can improve patient safety and enhance surgical outcomes. A meaningful information such as procedural errors or surgical skill of the attending surgeon. We are developing new algorithms and tools to enable novel surgical procedures.

Surgical Visualization
In collaboration with the center for research education in surgical training (CRESST), we investigate novel techniques for training surgical procedures in real or simulated environments. This includes the development of accurate physical simulation platform for surgical training and quantitative skill assessment.

The Surgical Danielle Project
In collaboration with the University of Washington, this project aims to create a large, open database of surgical procedures including tool usage, surgical motion, and a variety of sensors inputs. The aim is to provide a common resource for researchers to investigate surgical behavior, design requirements, and to develop and compare analysis algorithms in a repeatable way.

Guang-Zhong Yang
PhD, 2009, Electrical Engineering, University of Washington, Seattle
M.S., 2006, Control and Robotics, University of Washington, Seattle
B.S. 2004, Electrical Engineering, University of Washington, Seattle
Research
The goal of my research is to advance the emerging field of computational surgery: the fusion of signal processing, control, computer vision, and computer graphics to enable new surgical techniques. The key innovation is the development of novel techniques to free surgeons from the constraints of time and health data that otherwise limit their ability to perform complex procedures. My research projects leverage this data and are one of the four areas, each requiring close collaboration with surgeons, healthcare providers, and industrial partners.

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Marc Hommer
Principal Engineer, Healthcare, ANSYS, Inc.

Marc Hommer joined ANSYS as a Technical Support Engineer, where he developed simulations for medical device companies. Marc Hommer earned a Bachelor of Science in Mechanical Engineering from Northwestern University and a Master of Science in Engineering from the University of Illinois at Urbana-Champaign. He has been working in the medical device industry for over 20 years, with a focus on computational fluid dynamics and finite element analysis. Marc Hommer is a key member of the ANSYS team working on medical device applications, and has contributed significantly to the development of ANSYS’s medical device software.

Matthew Johnson
Associate Director, Earl E. Bakken Medical Devices Center, University of Minnesota

Matthew O. Johnson is the Associate Director of the Bakken Medical Devices Center at the University of Minnesota. He has held numerous leadership roles within the medical device industry, including Director of Engineering at a medical device start-up and CEO of a medical device company. He has a degree in Mechanical Engineering from the University of Wisconsin-Madison. Matthew Johnson is a key member of the team working on medical device applications, and has contributed significantly to the development of ANSYS’s medical device software.

Zion Xu
R&D Director, Zimmer Biomet Asia Pacific Region

Zion Xu joined Zimmer Biomet in 2012 as an R&D Engineer. He has been working in the medical device industry for over 10 years. He holds a degree in Mechanical Engineering from the University of Minnesota. His research interests include biomechanical simulation and optimization of medical device designs.
国际创新挑战赛
International Medical Device Innovation Competition

Mark Wahlde
Mark Wahlde is Session Head of Technology Development within the Mayo Clinic Division of Engineering. He leads the team responsible for the medical device development process and the associated research and development activities. He is also responsible for the infrastructure supporting these activities.

Bevyn Yueh
Bevyn Yueh is an Associate Professor of Obstetrics and Gynecology, and the Director of the Obstetric Ultrasound Program at the University of Minnesota. She is also a Professor of Obstetrics and Gynecology at the University of Minnesota.

3D打印/AR/VR在手术及手术规划中的应用
Role of 3D Printing/AR/VR in Surgery & Surgical Planning

医学院校创新与转化模式探讨
Innovation & Translational Strategies in Medical Schools

* asterisk indicates footnote

Ordered by family name
Joseph Yang

Managing Director & CEO
Presidential, Neos Discovery Capital

Josi is a seasoned international executive with a deep history in multi-billion dollar projects. His projects include the construction of harbors, airports, superhighways, and the like, funded by World Bank, Asia Development Bank, and the International Monetary Fund. His experience covers a broad range of industries in high tech, clean energy, medical device, and high speed rail.

Aiming Liu

Chairman, Founder, Space Holding Group

Aiming Liu is a Chinese Academy of Sciences (CAS) young百人 winner. He established Space Holding Group in 2014, leading its vision to globalize. As the CEO of Space Holding Group, he is a top leader in AI and space industry. Dr. Liu has close relations with the CAS, Ministry of Science and Technology, Ministry of Industry and Information Technology, Ministry of Commerce, etc. He is currently contributing to the local government and industry development as well.

Marc Horner

Chairman, ANSYS, Inc.

Marc Horner is the President of ANSYS, Inc. He is responsible for the development and delivery of ANSYS’ simulation and analysis software. Marc has worked in various executive leadership roles within ANSYS, Inc. In his current role, he is responsible for establishing a strong, global presence for ANSYS’ software. Marc is a member of the Association of Corporate and International Development (ACID) and has served as a director on the board for the American Software Association (ASA).

Dr. Marc Horner is a chemical engineer focusing on healthcare applications at ANSYS, Inc. He joined ANSYS after earning his PhD in Chemical Engineering from Northwestern University in 2001. Marc began by providing support and professional services for biomedical and pharmaceutical industry clients before transitioning to a healthcare business and technology development role.

Marc has a number of leadership positions in industry. This includes Vice President of the ANSYS Simulation Sub-Committee – which is a non-profit organization for the medical device industry, and the ASM/EIA Standards Committees – who oversee the creation of both product and service standards. In addition, Dr. Horner is a member of the ANSYS simulation advisory board, and general guidance on VIV for CHASE. Dr. Horner is also a member of the Journal of Verification, Validation, and Uncertainty Quantification editorial board. He also leads the MCG Blood Damage Working Group, which is in the process of developing new models that can predict some form of damage that occurs in blood-contacting devices.

Guang-Zhong Yang

Professor, University of Bolton, UK

Guang-Zhong Yang is a professor at the University of Bolton, UK. He leads the biomedical engineering laboratory. Yang’s latest research focus is the development of bioluminescent imaging based on genetically engineered luciferase. This technique allows real-time observation of biological processes within living organisms. In 2018, Yang was elected as an Academician of Chinese Academy of Engineering.

Yang’s research has been featured in over 150 publications, including several in top-tier medical journals. He has also participated in more than 100 international conferences, presenting his findings and latest research developments. Yang's work in the field of biomedical engineering has received international recognition, and he has served on the editorial boards of several prestigious journals.
Jian Zhou

Professor of Vascular Surgery, Shanghai Hospital, Affiliated to Naval Medical University

Zhou Jian, Professor, Doctorial supervisor

Chairman of the special committee of vascular research and transformation at the Chinese vascular surgery institute.

He is deeply engaged in the research of new technology developments and treatment of vascular surgical diseases, and undertaking the major research projects of the National Science Foundation of China, the Shanghai Science and Technology Support Program, and the National Defense Science and Technology Project of the Ministry of Military Affairs, and other scientific research projects. He has obtained 41 national patents including 16 in-vitro bioprocess patents, and published 58 SCI papers with a total impact factor of 120 (the highest 90.8 in a single article), and won the second prize of National Science and Technology Progress Award, the first prize of China Medical Science and Technology, the first prize of Science and Technology Progress of the Ministry of Education, and the bronze prize of Shanghai Science and Technology Progress Award

Fengqi Yang

Assistant director of the Department of Neurosurgery of the Institute of Cerebrovascular Diseases and Shanghai Hospital

Professor, doctor of medicine, postdoctoral fellow of the National Institute of Neurological Diseases and Stroke, currently the assistant director of the Department of Neurosurgery of the Institute of Cerebrovascular Diseases and Shanghai Hospital of the Second Military Medical University.

His specialties include vascular surgery, cerebrovascular diseases, which are highly recognized by his peers.

Yang Fengqi, associate professor, deputy chief physician, master, tutor, doctor of the Second Military Medical University, and postdoctoral fellow of the National Institute of Neurological Diseases and Stroke, is currently the assistant director of the Department of Neurosurgery of the Institute of Cerebrovascular Diseases and Shanghai Hospital of the Second Military Medical University.
Alex Fox

Professor, Department of Restorative Sciences
Director, Minnesota Dental Research Center for Biomaterials and Biomechanics (MDRBB)

Dr. Fox holds a BA in Mathematics from the UK Open University and an MSc in Mathematical Modelling and Numerical Analysis from the University of Oxford. Dr. Fox has expertise in inverse and variational analysis. His research activities cover a range of topics in the biomechanics of dental restorations. These include probability failure analysis, micro-structured modeling of composite materials, orthogonality and strain, design of mechanical tests, nondestructive examination and shape optimization of dental restorations. A principal aim of his research is to develop and refine innovative engineering principles into the design and assessment of dental restorations and treatments so as to improve their reliability.

Dr. Fox has been the Director of the Minnesota Dental Research Center for Biomaterials and Biomechanics (MDRBB) since 2007. Established as an industry-academic collaboration, with the 3M Foundation and 3M Dental Products Division covering the foundation funds, the MDRBB works with industry on the development of new dental biomaterials and technologies. New materials are evaluated using the many techniques unique to the MDRBB to determine their applicability and chances for clinical success in the real world. The MDRBB has been continuously funded since 1991.

Dianne Rekow

Professor, College of Dentistry
Dr. Rekow has been the Dean of College of Dentistry at University of Minnesota since 2017. She received her DDS from University of Minnesota in 1990 and MS in Dental Materials from University of North Carolina at Chapel Hill in 2005. Dr. Rekow was a Diplomate of the American Board of Prosthodontics and has been in private practice in the Twin Cities area since 1990. She is a Professor of Prosthodontics and an attending dentist at Allina Health in the Dental Clinic at the University of Minnesota. Dr. Rekow has served as a member of the ADA Council on Dental Education and Dental Practice, the Minnesota Dental Association, and the Minnesota Medical Association. Dr. Rekow has served as a member of the Institute of Medicine’s Committee on National Strategies for Health Workforce Development and Human Resources for Health and as Chair of the American Dental Association’s Council on Dental Education and Dental Practice.

Dr. Rekow graduated from the University of Minnesota where she earned a BS in Physics and Mathematics, MS in Engineering Mechanics, DDS in Orthodontics, and Ph.D. in Biomedical Engineering. Dr. Rekow is an expert in the field of dental CAD/CAM, and has served on the editorial board of the Journal of Dental Research, as well as on the editorial board of the Journal of Biomedical Materials Research. Dr. Rekow is a member of the American Dental Association, the American Association of Intellectual Disability, the American Public Health Association, and the American Public Health Association. She is a member of the Academy of General Dentistry and the American College of Prosthodontists. Dr. Rekow is a fellow of the International College of Dentists and the American College of Dentists. Her research interests include the role of technology in dental practice, the impact of technology on dental education, and the use of technology to improve patient outcomes.
Donald R. Nadvor

Dental Medicine, University of Minnesota. He received his Bachelor of Science in Biological Sciences from the University of Minnesota in 1988 and his Doctorate of Dental Medicine from the University of Minnesota in 1992. Nadvor completed his residency in oral and maxillofacial surgery at the University of Minnesota in 1993 and subsequently served as a faculty member in the Department of Oral and Maxillofacial Surgery at the University of Minnesota. He joined the faculty of the Faculty of Dental Medicine in 1997, where he has served in various capacities, including as Director of the Oral and Maxillofacial Surgery Residency Program and as the Department Chair. He is currently the Dean of the Faculty of Dental Medicine.

James Kwon

Kwon received his DDS degree from Yonsei University in Seoul, South Korea. He completed his oral and maxillofacial surgery residency at the University of Pittsburgh School of Dental Medicine and is a Diplomate of the American Board of Oral and Maxillofacial Surgery. Kwon is currently an Assistant Professor of Oral and Maxillofacial Surgery at the University of Pittsburgh School of Dental Medicine.

Lukasz Wlcek

Wlcek received his Bachelor of Science degree from Warsaw University of Technology and his PhD in Materials Science from the University of Warsaw. He has published numerous research papers and has received several awards for his work. Wlcek is currently an Assistant Professor of Biomedical Engineering at the University of Pittsburgh.

Arthur G. Erdman

Erdman earned his Bachelor of Science degree in Chemical Engineering from the University of Minnesota in 1997 and his MD degree from the University of Minnesota in 2001. He completed his residency in Oral and Maxillofacial Surgery at the University of Minnesota in 2004. Erdman is currently an Assistant Professor of Oral and Maxillofacial Surgery at the University of Minnesota.

New Dental Devices & Procedures

While the page contains a large image, the text appears to be related to dental technology and innovations. It includes information on various individuals and their contributions to the field of dental medicine. The text mentions Dr. Donald R. Nadvor, an expert in oral and maxillofacial surgery, and Dr. James Kwon, an oral and maxillofacial surgery resident. Additionally, there is a mention of Lukasz Wlcek, who is involved in biomedical engineering research. The page seems to be part of a larger publication or conference proceedings focused on dental devices and procedures.
喜馨女
Jiahua Huang
国家医疗器械审评专家，国家药品监督管理局医疗器械审评中心技术委员会委员

喜馨女，教授级高工，高级工程师，国家药品监督管理局医疗器械审评中心审评专家。2000年加入医疗器械审评中心，2012年被评为中国医药科技国际合作奖先进个人。

喜馨女教授，工程院院士，国家药品监督管理局医疗器械审评中心审评专家。

杨焕
Feng Yang
上海医疗器械审评检验院医疗器械审评检验委员会委员

杨焕，上海医疗器械审评检验院医疗器械审评检验委员会委员。2000年加入医疗器械审评检验委员会，2012年被评为中国医药科技国际合作奖先进个人。
Clinical Cases

Medicine Device Design: Successful Cases

Yurong Tang
WorleyEdwards Consulting Inc.
Director of Research and Strategy, Worley Inc.

Yurong Tang has over 20 years of experience in the medical device and healthcare industry. She has contributed to the development of medical devices for various applications, including imaging, diagnostics, therapy, and patient care. Tang holds a Bachelor of Science in Computer Science from the University of Toronto and a Master of Science in Engineering from the University of Waterloo.

Melissa Geller
MD, PhD, Associate Professor and Division Director, Cytogenetic Oncology Department of Obstetrics, Gynecology and Women's Health (OB/GYN), University of Minnesota

Melissa Geller is a medical oncologist with a focus on gynecologic and breast cancer. She is a co-founder and co-director of the Gynecologic Oncology Training Program at the University of Minnesota. Geller specializes in the treatment and management of gynecologic malignancies and is committed to clinical and translational research. She has received several national research awards, including the American Cancer Society’s Young Investigator Award and the American Society for Clinical Oncology’s Young Investigator Award. Geller has published extensively in the field of gynecologic oncology and has served as a reviewer for multiple national and international journals.

Douglas Portnow
Schwegman Lundberg & Woessner
Patent Attorney, Schwegman Lundberg & Woessner

Douglas Portnow is a patent attorney at Schwegman Lundberg & Woessner, a full-service intellectual property firm based in Minneapolis, Minnesota. He specializes in the prosecution of patents in the fields of medical devices, biotechnology, and pharmaceuticals. Portnow has extensive experience in advising clients on the development and protection of medical devices, including preclinical testing, clinical trials, and regulatory approval. He is a frequent speaker on topics related to medical device development and intellectual property at conferences and seminars.

Yurong Tang designs medical devices with multi-disciplinary backgrounds at Worley. She demonstrates extraordinary insights and data synthesis capabilities in conducting a wide range of quality research activities, providing valuable solutions to her clients. Tang holds over 20 years of experience in the medical device industry, working for prominent medical institutions and companies both domestically and internationally. Tang is highly dedicated to leading the team in the field, ensuring the delivery of high-quality innovations and solutions.

Melissa Geller, MD, PhD, is a medical oncologist with a focus on gynecologic and breast cancer. She is currently the head of the Cytogenetic Oncology Department of Obstetrics, Gynecology and Women's Health at the University of Minnesota.

Douglas Portnow is a patent attorney at Schwegman Lundberg & Woessner, specializing in medical device, biotechnology, and pharmaceuticals. Portnow has extensive experience in advising clients on the development and protection of medical devices.

Jing Guo
MD, PhD, Tongji Hospital

Jing Guo is a medical doctor and PhD candidate at Tongji Hospital, Shanghai. He holds a Master of Science in Clinical Pharmacology and a PhD in Clinical Medicine from Shanghai Jiao Tong University. Guo is currently working on a project related to the development of a new drug for the treatment of cancer. He has published several peer-reviewed articles on the topic of cancer treatment and has presented his work at several international conferences.
Summit on World Clinical Engineering Innovation and Development

Summary of Key Speakers

Shan Xu
Associate Professor, Beijing Institute of Artificial Intelligence

Ranjie Zhu
Director, Operations Management Department, Shanghai East Hospital (East Hospital affiliated to Tongji University)

Chunxue Bai
MD PhD, FCCP
Professor, Shanghai Hospital, Fudan University

Zhanhao Hao
Senior Director of Medical Robotics Business of Shanghai MicroPort Medical Group, General Manager of MicroPort (Shanghai) Medical Robot Co., Ltd.

Shan Xu, Associate Professor at the Beijing Institute of Artificial Intelligence, is a leading expert in the field of digital health and artificial intelligence. With a focus on understanding and utilizing artificial intelligence in medical research, he has contributed significantly to the advancement of clinical engineering.

Ranjie Zhu, Director of Operations Management at Shanghai East Hospital, has extensive experience in hospital management, particularly in the operation and development of medical technology. His contributions to the integration of clinical engineering in hospital systems have been instrumental in improving patient care and outcomes.

Chunxue Bai, a distinguished medical professional with a PhD and MD, serves as a Professor at Fudan University in Shanghai. His expertise in respiratory research and clinical practices has been pivotal in the development of advanced healthcare solutions.

Zhanhao Hao, as the Senior Director of Medical Robotics at Shanghai MicroPort Medical Group, has been instrumental in the development and deployment of medical robots, demonstrating leadership in the integration of robotics technology within the medical field.
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A01

上海博泰科技有限公司

Fouier Intelligence Co., Ltd.

博泰成立于2015年，致力于车联网领域及智能网联汽车的开发与应用。公司总部位于上海，营销中心设立于北京。

Fouier Intelligence is an innovative global technology company focusing on developing, manufacturing and marketing of cybersecurity technologies and software solutions.

地址: 上海市浦东新区张杨路989号16楼

电话: 021-50368716

邮箱: info@fouier.com

网站: www.fouier.com

A02

上海微创医疗科技有限公司

Shanghai Haier Medical Technology Co., Ltd.

作为行业的领导者，是一家专注于医疗器械及生物材料产品的创新型公司。公司主营业务包括医疗器械、诊疗耗材及生物工程制品的研发、生产和销售。

Haier Medical Technology Co., Ltd. is a leading medical technology company focusing on developing and manufacturing medical devices and supplies.

地址: 上海市浦东新区张杨路989号16楼

电话: 021-60588685

邮箱: office@haiermedical.com

网站: www.haiermedical.com

A03

上海吉海医疗科技有限公司

Shanghai Sunsvita Medical Technology Co., Ltd.

上海吉海医疗科技有限公司成立于2012年，是一家集医疗产品研发、生产、销售和服务为一体的综合性企业。

Shanghai Sunsvita Medical Technology Co., Ltd. was established in 2012, focusing on the research and development, production, sales and services of medical products.

地址: 上海市浦东新区张杨路989号16楼

电话: 021-68810165

邮箱: chenhui@sunsvita.com

网站: www.sunsvita.com

A04

上海中医药大学

Shanghai University of Traditional Chinese Medicine

上海中医药大学成立于1956年，是新中国创办最早的一所高等中医药院校之一。学校设有中西医结合等10个学院。

Founded in 1956, Shanghai University of Traditional Chinese Medicine is one of the earliest universities in China.

地址: 上海市浦东新区张杨路989号16楼

电话: 021-68810165

邮箱: chenhui@sunsvita.com

网站: www.sunsvita.com

A05

上海与生物科技产业促进中心（上海与生物科技促进中心）

Shanghai Center of Biomedical Development

上海与生物科技产业促进中心（上海与生物科技促进中心）是上海与生物科技产业的促进和发展平台。

Shanghai Center of Biomedical Development is a center dedicated to the promotion and development of biotechnology industry.

地址: 上海市浦东新区张杨路989号16楼

电话: 021-68810165

邮箱: chenhui@sunsvita.com

网站: www.sunsvita.com
A06 上海典源医疗科技有限公司
Shanghai Divine Medical Technology Co., Ltd.

上海典源医疗科技有限公司成立于1999年，是一家专注于医疗领域创新技术的研究和开发的公司。公司拥有一支由全球顶尖专家和科研人员组成的团队，在医疗器械、医疗信息技术等领域具有丰富的经验和实际应用。上海典源医疗科技有限公司拥有多项自主知识产权，并与多家国内外知名医疗机构建立了长期合作伙伴关系。

电话/传真: 021-50709898
地址: 中国上海市浦东新区张江高科技园区

A07-08A 上海张江生物医药基地
Shanghai Zhangjiang Medical Device Industrial Base

上海张江生物医药基地位于上海市浦东新区“张江药谷”，是集医药研发、产业孵化、国际合作等功能于一体的综合性生物医药产业园区。该基地依托上海张江科学城的资源优势，汇聚了大量国内外顶尖的生物医药企业，形成了从基础研究到产品开发的完整产业链。

电话: 021-60708888
地址: 中国上海市浦东新区

A09 上海联 Migration Robotics Technology Co., Ltd.

上海联 Migration Robotics Technology Co., Ltd.

上海联是一家致力于移动机器人技术开发的高科技企业，拥有自主知识产权。公司成立团队，从事机器人研发、制造、销售和服务。研发团队由来自国内外知名高校和企业的专业人才组成，拥有丰富的行业经验和扎实的技术储备。上海联的产品广泛应用于医疗、教育、物流、安防等领域，具有广阔的市场前景和强大的发展潜力。

电话/传真: 021-50599898
地址: 中国上海市浦东新区

A10 上海爱金特诊断试剂有限公司
Shanghai Igenetec Diagnostics Co., Ltd.

上海爱金特诊断试剂有限公司成立于2010年，是一家专注于分子诊断试剂研发和生产的高新技术企业。公司拥有一支由国内外资深专家和专业人才组成的研发团队，专注于研发具有自主知识产权的诊断试剂，产品广泛应用于临床诊断、科研和生物技术领域。

电话/传真: 021-60769898
地址: 中国上海市浦东新区

A11 声波医疗技术（上海）有限公司
Sonitus Medical Shanghai Co., Ltd.

声波医疗技术（上海）有限公司是一家专注于开发和生产用于治疗肿瘤的医用声波设备的公司。公司拥有一支由国内外顶尖专家和科研人员组成的团队，专注于声波技术的创新和应用，致力于为患者提供安全、有效的治疗方案。

电话/传真: 021-60869086
地址: 中国上海市浦东新区
A12

Shanghai Black Flame Medical Technology Co., Ltd.

Shanghai Black Flame Medical Technology Co., Ltd. is an innovative leader in the medical equipment industry. The company has established a comprehensive product line covering various medical fields. With its focus on innovative technologies and high-quality products, Shanghai Black Flame is committed to providing excellent solutions for healthcare.

A13

Shanghai Walsaby Medical Technologies Co., Inc.

Walsaby Medical Technologies is a leading manufacturer of medical equipment and solutions. The company is dedicated to providing state-of-the-art products in the healthcare industry. With a focus on innovation and quality, Walsaby Medical Technologies is poised to meet the evolving demands of the medical sector.

A14

Worrell Inc.

Worrell Inc. is a leading global provider of healthcare solutions. The company has a strong track record in the healthcare sector, offering a wide range of products and services. With a commitment to innovation and excellence, Worrell Inc. continues to deliver high-quality healthcare solutions worldwide.

A15

New York University College of Dentistry Department of Biomaterials

The Department of Biomaterials at NYU College of Dentistry is dedicated to advancing the field of biomaterials. The department is known for its research and educational programs that focus on the development and application of biomaterials in dentistry. With a strong emphasis on innovation and collaboration, the department continues to make significant contributions to the advancement of biomaterials technology.
A16 蓝色医疗电商（上海）有限公司

蓝色医疗电商（上海）有限公司是一家专注于提供全面医疗电商服务的公司。我们致力于通过互联网平台提供专业的医疗信息服务，帮助用户在就医过程中更便捷、更高效地获取所需的医疗资源。我们的服务涵盖了在线问诊、就医指导、药品配送等多个方面，旨在为用户提供全方位的医疗支持。

电话：021-31014610
网址：www.bluehealthcare.com
地址：中国上海市浦东新区张江地铁站1号出口

A17 吉通医疗器械有限公司

吉通医疗器械（上海）有限公司是一家集研发、生产、销售于一体的企业。我们专注于医疗器械产品的研发和生产，致力于为用户提供高品质、高性能的医疗器械产品。我们秉承“质量第一、信誉至上”的原则，不断推陈出新，以满足不同客户的需求。

电话：400-001-6188
网址：www.jitongmedical.com
地址：中国上海市浦东新区张江高科技园区

A18 西门子医疗系统有限公司

西门子医疗系统有限公司是全球领先的医疗设备制造商。我们提供从诊断到治疗的全面医疗服务解决方案，旨在为全球医疗健康领域带来创新和可持续的发展。我们的产品和服务覆盖了从成像设备、治疗设备到诊断解决方案的各个方面，致力于改善患者的生活质量。

电话：021-30565177
网址：www.siemens-healthcare.com
地址：中国上海市浦东新区张江高科技园区
A20

ANSYS China

ANSYS Inc. was founded in 1970. It has become a world leader in engineering software, with over 30 offices worldwide. The company is headquartered in Canonsburg, Pennsylvania. ANSYS software is used in a variety of industries, including aerospace, automotive, energy, and manufacturing. It is also used in scientific research and education. The company has a strong focus on customer support and collaboration.

Founded in 1970, ANSYS is headquartered south of Pittsburgh, Pennsylvania, U.S.A. Employing nearly 3,000 people worldwide, many of whom are expert in M.S. and Ph.D.-level engineering, the company has offices in 30 countries. The company is a leader in providing customers with solutions to the world's most complex engineering problems. ANSYS has been recognized as one of the world's most innovative companies by prestigous publications such as Bloomberg Businessweek and FORTUNE magazines.

A21

Earl E. Bakken Medical Devices Center, University of Minnesota

The University of Minnesota’s Earl E. Bakken Medical Devices Center (BMDC) is home to more than 2500 employees, representing more than 50 countries and 1000+ Innovation Fellows. BMDC has more than 5000 annual visitors, including more than 10000 students from over 100 different countries. The BMDC also houses the Center for Innovation at the University of Minnesota, which is part of the University’s Innovation and Entrepreneurship Initiative.

The University of Minnesota’s Earl E. Bakken Medical Devices Center (BMDC) is home to more than 2500 employees, representing more than 50 countries and 1000+ Innovation Fellows. BMDC has more than 5000 annual visitors, including more than 10000 students from over 100 different countries. The BMDC also houses the Center for Innovation at the University of Minnesota, which is part of the University’s Innovation and Entrepreneurship Initiative.

A22

Changzhou Jiu An Artificial Heart Science and Technology Development Co., Ltd.

Jianik Heart, Inc.

Changzhou Jiu An Artificial Heart Science and Technology Development Co., Ltd. is mainly engaged in artificial heart research and development, manufacturing, sales, promotion and application and related businesses. Products: artificial heart-ventricular assist device/ left blood pump, centrifugal blood pump, magnetically-suspension blood pump, magnetic unloading blood pump, magnetic drive blood pump series products. Specialized in artificial heart research and development for more than 20 years. It has more than 30 RDG teams consisting of academicians, researchers, professors, chief physicians and senior engineers, as well as more than 10 overseas expert teams and a first-class management team.

Jianik Heart, Inc., headed by Dr. Robert Jianik, is a company located in New York, contributing to the development, manufacturing and sales of VADs. With more than 40 years’ experience, Jianik Heart Inc. has been the leader in VAD and artificial heart technologies. Jianik’s 2015 is the only implantable VAD in the world for children. Their products are distributed in more than 30 countries.

A23

Boston Scientific Corporation

We believe in innovation. We believe in finding better ways to treat disease. We believe in leading with an entrepreneurial spirit. We believe in doing the right thing for our patients, our employees, and our communities. We believe in making a difference. We believe in being a good global citizen. We believe in being a good global citizen. We believe in being a good global citizen.

Web Site: www.bostonscientific.com
B04 | The Patent Research and Transformation Center of Tongji University Medical College

The Patent Research and Transformation Center of Tongji University Medical College was established in 2013. The number of members is up to 40. The center is engaged in the transformation and upgrading of Chinese manufacturing enterprises. We have incubated 86 start-ups, arousing innovation demand in the field of medicine and innovation platform. The center has covered the systems and professional solution of medical device engineering in China.

Tel: 021-33246050-0487
Email: mingshaojie@tongji.edu.cn
Address: 96 Chifeng Road, Yangpu District, Shanghai

B05 | Biotech & Medical Device Comp

Biotech & Medical Device Comp is an industry innovation system operator, who concentrates on planning, investing, building, and operating industry innovation system. It focuses on vertical industry innovation system, which bases on vertical industry direction of medical instruments and provides whole industry-chain services. Biotech & Medical Device Comp has been continuing to dig down inside resources of industry-chain, and provide a complete series of service which are related to space operation, innovation and entrepreneurship, industrial investment and etc. It aims to promote international development of enterprises and implement industrial transformation and upgrading.

Tel: 021-20204907
Email: bann@unipace.cn
Website: www.unipace.cn
Address: No. 43 Changjiang Road, Baoshan District, Shanghai

B06 | Smart Manufacturing & Intelligent Manufacturing Park

Smart Manufacturing & Intelligent Manufacturing Park is located at No.43, Changjiang Road, Baoshan District, Shanghai, which belongs to Wuqing Innovation — technological and cultural innovation sector, it is the nearest from the urban area of 105 pigs. The park relies on Baoshan District's unique industrial resources to form effective interaction and radiation effects with the surrounding urban areas.

Orientation: Smart Manufacturing & Intelligent Manufacturing Park is characterized by medical equipment and intelligent manufacturing. The park focuses on high-performance medical equipment, new materials, inspection and testing, mechanical engineering, and supports the compss service system and deeply practices. "Innovation drive, transformation and upgrading." The park is committed to becoming an important carrier for advanced medical manufacturing industries.

Tel: 021-20203800
Website: www.unipace.cn
Address: No. 43 Changjiang Road, Baoshan District, Shanghai
B08

中城生命科学院
Compless Life Science Park

中城生命科学院是由中城投资集团投资建设的，是目前中国规模最大的现代化综合性的生命科学园区。园区占地面积1500亩，总建筑面积70万平方米。主要包括：科研办公区、生产厂房、生活配套等。2016年，该园区被中国科学院认定为“中国科学院国际合作基地”。

电邮: to@complesslife.cn

B09

深海智能医疗设备有限公司
Shenzhen Funeng Medical Technology Co., Ltd.

深海智能医疗设备有限公司成立于2006年，是一家集研发、生产、销售和服务于一体的高新技术企业。公司专注于医疗设备领域，提供精准医疗解决方案，致力于推动医疗行业的进步。

电邮: info@funengmedical.com

B10

科思达医疗电子有限公司
Kisstech(Shenzhen) Medical Electronics Co., Ltd.

科思达医疗电子有限公司是集研发、生产、销售于一体的高科技企业。公司专注于医疗电子设备的研发和生产，产品广泛应用于国内外医疗机构。

电邮: sales@kisstechmedical.com

B11

上海光电技术有限公司
Shanghai Photoelectric Technology Co., Ltd.

上海光电技术有限公司是专业从事光电技术及其应用的高新技术企业。公司拥有一流的研发团队和先进的生产设备，致力于为客户提供高品质、高性能的光电产品。

电邮: info@shphototech.com

B12

上海联合健康医疗科技有限公司
Shanghai United Imaging Healthcare Technology Group Co., Ltd.

上海联合健康医疗科技有限公司是一家集研发、生产、销售为一体的医疗科技企业。公司致力于提供高品质的医疗服务和智能化的医疗解决方案。

电邮: support@unitedimaging.com

B13

上海大学
Shanghai University

上海大学是一所综合性的研究型大学，设有多个学院和研究机构。学校秉承“厚德载物，自强不息”的校训，致力于培养具有国际视野的高素质人才。

电邮: info@shu.edu.cn

更多详细信息请访问上海大学官网。

以上信息仅供参考，具体信息以实际情况为准。
B14 上海康联医院管理有限公司
Shanghai Healthstock

上海康联医院管理有限公司成立于2000年，是一家以中高端医疗服务为主导的医疗医疗机构。公司以“诚信服务，患者至上”为服务宗旨，以“患者至上”为服务理念，以“患者至上”为服务原则，致力于为患者提供高品质医疗服务。

电话：021-51586797
Email：healthstock@126.com
地址：上海市浦东新区张杨路600号

B15-B18 浙江省肿瘤生物治疗（集团）有限公司
Zhejiang Shanshi Biological Medical Devices(Shanghai)Co., Ltd.

浙江省肿瘤生物治疗（集团）有限公司以高端医疗设备制造为主导，以生物治疗技术为核心，以技术创新为动力，致力于为患者提供高品质医疗服务。

电话：0571-8888-5600
Email：leader@zstbiotech.com
地址：浙江省杭州市江干区

B19 佳好佳医院管理股份有限公司

佳好佳医院管理股份有限公司是一家以中高端医疗服务为主导的医疗医疗机构。公司以“诚信服务，患者至上”为服务宗旨，以“患者至上”为服务理念，以“患者至上”为服务原则，致力于为患者提供高品质医疗服务。

电话：15226500483
Email：15226500483@163.com
Web Site：http://www.uealth.com
地址：浙江省杭州市江干区

B20 澳大利亚大学商业技术办公室
University of Waterloo Commercialization Office

澳大利亚大学商业技术办公室是澳大利亚大学的一个部门，致力于为学者和研究人员提供技术转移和商业化的支持。公司以“诚信服务，患者至上”为服务宗旨，以“患者至上”为服务理念，以“患者至上”为服务原则，致力于为患者提供高品质医疗服务。

电话：051-5182004
Email：l_i@uw.com
地址：澳大利亚大学商业技术办公室

B21 香港医院（北京）销售服务有限公司

香港医院（北京）销售服务有限公司是一家以中高端医疗服务为主导的医疗医疗机构。公司以“诚信服务，患者至上”为服务宗旨，以“患者至上”为服务理念，以“患者至上”为服务原则，致力于为患者提供高品质医疗服务。

电话：051-5182004
Email：l_i@uw.com
地址：北京市海淀区

B22 贝朗医疗（上海）国际贸易有限公司
B. Braun Medical (Shanghai) Int Trading Co., Ltd.

B. Braun Medical（上海）国际贸易有限公司是一家具有丰富经验的国际公司，成立于1998年，以高质量的产品和卓越的服务赢得了市场的认可。公司秉承“以客户为中心”的经营理念，致力于为客户提供全方位的医疗产品和服务。公司的主要产品包括注射器、输液器、密闭系统等。

地址：上海市浦东新区黄浦路180号
邮编：200120

B23 上海药学工业研究院
Shanghai Industrial Pharmacy Research Institute

上海药学工业研究院是一家专门从事医药技术研究与开发的机构，致力于为医药行业提供技术支持和研发服务。研究院拥有一支高水平的研究队伍，长期致力于新药研发、药物合成、药物分析等领域。

地址：上海市浦东新区张江高科技园区
邮编：201203

B24 新西兰创新孵化器
Simic InnoSpring Incubator

新西兰创新孵化器是上海浦东新区科技企业的孵化器之一，提供专业化的创业支持和服务，包括空间、资源、培训和网络建设等。

地址：上海浦东新区张江高科技园区
邮编：201203

B25 上海益生生物制药有限公司
Shanghai JIC Biomedical Technology Co., Ltd.

上海益生生物制药有限公司是一家集研发、生产和销售于一体的生物制药企业，专注于生物技术领域的创新和应用。

地址：上海浦东新区张江高科技园区
邮编：201203
B26

江苏华章医疗器材有限公司
Jiangsu Changmei Medtech Co., Ltd.

江苏华章医疗器材有限公司成立于2013年，是一家集研发、生产、销售于一体的医疗器械企业。公司位于江苏省南京市江宁区，是一家集研发、生产、销售于一体的医疗器械企业。公司以市场需求为导向，以科技创新为动力，不断推出新产品，满足广大客户的需求。

Established in 2013, Jiangsu Changmei Medtech Co., Ltd. is located in Nanjing, Jiangsu, China. The company focuses on research and development, manufacturing and sales of medical devices.

联系电话：025-85682111

Web-Site: sales@cmmd.com

B27

上海心瑞医疗科技有限公司
Shanghai Stroke Care Medical Technology Co., Ltd.

上海心瑞医疗科技有限公司是一家专注于神经血管疾病的医疗器械企业，致力于为脑血管疾病患者提供安全有效的治疗方案。公司拥有一支专业的研发团队，经过多年的技术积累，已经成功开发出多款具有自主知识产权的医疗产品。

Shanghai Stroke Care Medical Technology Co., Ltd. focuses on the development and manufacture of medical devices for patients with neurovascular diseases. The company has a dedicated team of researchers and developers who have successfully developed a number of products with proprietary technology.

联系电话：021-68873055

Web-Site: www.strokemed.com

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杰特生物医学研究(北京)有限公司
JetMed(Beijing) Co., Ltd.

杰特生物医学研究(北京)有限公司是一家专注于细胞生物医学研究的高科技企业，致力于为医疗健康领域提供领先的技术解决方案。公司拥有先进的研究设备和专业的研究团队，为客户提供从实验室到临床的完整解决方案。

JetMed(Beijing) Co., Ltd. is an enterprise focusing on cellular medicine research. The company offers advanced technology solutions for the medical and health sectors.

联系电话：010-68920001

Web-Site: www.jetmed.com

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瑞迈特(上海)医疗科技有限公司
Shanghai Bamlan Technologies, LTD., CO.

瑞迈特(上海)医疗科技有限公司是一家专注于生物医学研究的高科技企业，致力于为医疗健康领域提供领先的技术解决方案。公司拥有一支专业的研究团队和先进的研究设备，为客户提供从实验室到临床的完整解决方案。

Shanghai Bamlan Technologies, LTD., CO. is a biotechnology enterprise focused on biomedicine research. The company offers advanced technology solutions for the medical and health sectors.

联系电话：021-52719981

Web-Site: www.bamlan.com.cn
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Antioa Systems LLC

Antioa Systems LLC is an innovative enterprise originated from Silicon Valley of the United States. It is a high-tech company that and its development capability from IC chip to complete apparatus. The "Ultra-high sensitivity multi-pixel photo-electric sensor chip" independently developed by Antioa has reached the international leading technology level. The multi-facets detection scheme developed by this technology is the company's unique core competitive points. The relevant instruments can be realized to trace the specific pattern without mechanical moving parts, output and control circuit of pure digital signal. Greatly improve the sensitivity, accuracy, portability and reliability of the whole machine.

Antioa is developing a series of medical diagnostic equipment, including: rapid diagnosis (PCR instrument), measuring micro electronic molecular detection device, large-scale rapid-PCR type PCR instrument. The PCR instrument series combined with photo-mechanical technology, and integrated detection equipment of common desktop detection technology platform. The mission of the company is to spread advanced diagnostic technology to the grassroots for the general public.

Email: info@antioa.com
Website: www.antioa.com
Address: Room 101, Building 6, 3221 Iraucheng Road, Juyuan New District, Jading District, Shanghai, Shanghai, China

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SHANGHAI MEDI INSTRUMENTS LTD

Founded in 2000, MEDI is an innovative enterprise specializing in the research and development, production and sales of integrative medical imaging equipment. It is also the first magnetocardiograph inspected equipment that has obtained the CFDA registration certificate of medical devices in Shanghai. With the world’s leading bio-magnetic core technology, strong capital strength and top talent of the enterprise.

Companies adhering to the "science and technology, intelligent, sharing" concept of development, and set up a joint gas and biological imaging techniques and applications of integrated laboratory, in order to "create new realm of human health" as the value proposition, with the wisdom of continuing innovation break through biological magnetic applications in different areas and different link, meet the demand of health care providers and patients.

Email: info@shanghai-medi.com
Website: www.shanghai-medi.com
Address: Room 601, Xinwei Building Block B, No. 1455 Pinghu Road, Shanghai, 200120, China

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Shanghai Shikelite Co., Ltd.

Shanghai Shikelite Co., Ltd. is an innovative enterprise based on the medical equipment industry. It mainly engaged in the research, development, production and sales of Class III medical devices for neurosurgery. Shikelite Co., Ltd. was jointly established by Professor Xiao (from Shanghai Institute of Microsystems and Information Technology) and Shanghai Micro Technology Research Institute. It has also hired many neurosurgical clinical experts as consultants. The company is devoted to developing the flexible PET/CT/IVUS collection and has applied for a number of patents with independent intellectual property rights since its establishment. At present, the company's products include high-density ultra-low-dose CT, single-detector PET/CT, implantable neural probes, and many other neurosurrounding medical devices which come up to international advanced level. The successful promotion of these products will realize the existing problem, improve the monopoly of foreign technology, help patients reduce trauma and greatly improve the accuracy rate of surgery.

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Goway Electronic Technology (Shanghai) Co., Ltd.

Goway Electronic Technology (Shanghai) Co., Ltd. is a US-owned enterprise with its headquarters in Shanghai. It mainly engages in the research, production and sales of medical electronic equipment and related software. It has won high praise and good reputation for its high-end quality and after-sales service. Goway Electronic Technology (Shanghai) Co., Ltd. has obtained ISO 13485 certification. Since its establishment, the company has been committed to providing China's medical industry with "Made-in-China" high-quality medical equipment. With the help of advanced technology and high-quality products, we are committed to making China's medical equipment attain world-class standards.

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Website: http://www.gowaytech.com
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Sichuan Zhongke Radiation Technology Co., Ltd

Sichuan Zhongke Radiation Technology Co., Ltd is a high-tech enterprise. The company focuses on the research and development of radiation treatment equipment and medical devices. The company has completed the National New Product Development Project and National High Technology Research and Development 863 Project, has made significant achievements, and has been awarded several national patents. The company has completed the construction of its first radiation treatment center and has obtained the national radiation treatment center qualification certificate. In 2005, the company was awarded the title of "Sichuan Province High-tech Enterprise" by the Sichuan Provincial Science and Technology Committee, and the company has obtained the national high-tech enterprise qualification certificate. The company has passed the national quality system certification and environmental system certification, and is committed to creating a world-class radiation treatment center.

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B36 卡尔兹托瑞医疗（上海）有限公司
KARL STORZ Endoscopy (Shanghai) Ltd

Since its beginnings in 1495, the KARL STORZ family company has grown into a global manufacturer and distributor of electrosurgical, medical instruments, and devices. We are a leader in the industry due to our extensive range of products, which include:

- Endoscopic instruments
- Laparoscopy equipment
- Operating room supplies

Our products are designed to meet the highest standards of quality and safety, ensuring that patients receive the best possible care. We constantly work to improve our products, developing new technologies and methods to enhance patient care.

Email: KSE.China@karlstorz.com
Website: www.karlstorz.com
Address: 1100 Hong Kong Road, Shanghai, China

B37 飞利浦（中国）投资有限公司
Philips (China) Investment Co., Ltd.

As a leading healthcare company, Philips China is committed to delivering advanced medical solutions and services to healthcare providers and patients across China. We offer a wide range of products and solutions, including imaging, diagnostic, and treatment technologies.

Email: GCM.chn@philips.com
Website: www.philips.com
Address: 1500 Jiangwai Avenue, Chaoyang District, Beijing, China

B38 约敦及约翰逊医疗（上海）有限公司
Johnson & Johnson Medical (Shanghai) Ltd.

One of the world's leading medical device manufacturers, Johnson & Johnson Medical offers a wide range of products and services to healthcare providers and patients. We are dedicated to improving the quality of life for people worldwide.

Email: Johnson.JohnsonMedical.China@jnj.com
Website: www.jnj.com
Address: 5500 North Campus Road, Shanghai, China
B39 Medtronic

Medtronic, Inc. established in 1949, is today a world leader in medical technology and solutions. Medtronic is based in Minneapolis, Minnesota, with a global presence in 150 countries around the world. Our mission is to transform lives and advance the global health care delivery systems to improve outcomes. At Medtronic, we’re working to achieve，together with our partners，a world where people are healthy and families are strong.

B40 Shanghai MicroPort Medical (Group) Co., Ltd.

Shanghai MicroPort Medical (Group) Co., Ltd. is one of the leading medical device companies in China. We are committed to providing our customers with high-quality products and services. We have a strong focus on innovation and are dedicated to improving the quality of life for people around the world.

B43 Shanghai TopMed Information Technology Co., Ltd.

Shanghai TopMed Information Technology Co., Ltd. is a leading provider of healthcare information technology solutions. We are dedicated to providing our customers with the best possible services. We have a strong commitment to innovation and are always looking for new ways to improve the quality of life for people in China and around the world.
C01  MAO FoodTech

MAO FoodTech is a company that combines the innovation of biotechnology with the field of infant nutrition and provides mothers with a tool for monitoring their infant’s health by real-time nutritional analysis of their milk. MAO FoodTech is developing a diagnostic device that monitors the composition of breast milk, facilitating the improvement of milk through dietary and lifestyle changes. The Maya Home Device identifies specific nutritional components, compares them to the known golden standard for infants and suggests improvements if necessary.

How Maya works:
The Maya Home Device examines a single drop of breast milk through the combined technology of a lateral flow strip and a miniature ELISA reader. The milk flows up the strip, encountering a micromass of test regions, each region containing a color test for a different molecule. The device examines a single drop of breast milk and lays out a series of information:

- Proteins
- Vitamins
- Fats
- Sugars
- Sto Marker

C02  University of Vale do Taquari - Univates

University of the Taquari Valley is a non-governmental community university, focused on developing its region, promoting scientific and technological knowledge, education, impacting on the society and culture. Innovation, plurality, sustainability and quality of life improvement are our main goals.

C03  Sky Technology

A Brazilian company with market experience of 20 years, always aiming to the newest innovations available. Products proved multiple times by its usability, design and business mode. Certified by several Brazilian standards, ANVISA for Medical Security Inspection, INMETRO for electronic devices regulation. Connected by partnerships with several markets in Brazil, to build up a strong structure of skills.

Now the company wants to expand to a new evolution of advanced medical technology, for a multidisciplinary integration never seen before. Through the Human Monitoring Project.

C04  Birthtech

Birthtech is a company that has been providing care to mothers and newborns. They have experience in training midwives and healthcare professionals in the field of obstetrics and gynecology. They are committed to providing high-quality care for pregnant women and newborns.

C05  Pearl Cohen Zedek Latzer Baratz

We provide legal advice and representation to international companies, not-for-profit organizations, and individuals. We offer a full range of legal services, including corporate, intellectual property, and commercial law.

C06  Fixtip

Fixtip is a company that offers a wide range of digital solutions for businesses. They specialize in developing custom software and mobile applications to help companies improve their processes and increase efficiency.

C07  Lincal Medical

Lincal Medical is a leading medical device company, with a focus on providing high-quality, innovative products to healthcare providers. They are dedicated to improving patient care and outcomes.

C08  University of Pretoria

The vision of the University of Pretoria is to be a leading research-intensive university in Africa that is recognized internationally for its quality, relevance and impact. We develop people, create knowledge and strive to make a difference locally and internationally.

UP’s current facilities portfolio consists of more than 884 buildings and structures spread over 110 properties located on seven campuses that cover 1100 hectares of land. In the 111 years of its existence the University has produced over 285,000 alumni.

The University prides itself on producing well-rounded, creative graduates, responsible, productive citizens and future leaders. Great emphasis is placed on student life and support as well as the advancement of sport, art, culture and music.

C09  Qualtech Consulting Co.

Qualtech Consulting Co. was founded in 2005 and is a full-service engineering consulting company. They provide a range of services, including design, engineering, and project management.

Qualtech Consulting Co. has completed projects in the fields of civil engineering, mechanical engineering, and electrical engineering. They have been involved in the design and construction of numerous projects, including bridges and roads, factories and buildings, and power plants.

Qualtech Consulting Co. prides itself on providing excellent service to its clients, and they are committed to delivering high-quality work on time and within budget. They have a team of experienced professionals who work together to ensure that each project is completed to the highest standards.

Qualtech Consulting Co. has a strong reputation for delivering successful projects, and they are dedicated to meeting the needs of their clients. They are committed to providing exceptional service and delivering outstanding results.

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