





ZJU-UIUC INSTITUTE

Zhejiang University/University of Illinois at Urbana-Champaign Institute 浙江大学伊利诺伊大学厄巴纳香槟校区联合学院



Messages from the Deans 院长寄语



Erping Li 李尔平 Distinguished Professor under the One Thousand Talent Program Changjiang Scholar Fellow of IEEE 联合学院院长 首批国家千人计划特聘专家 "长江学者"讲座教授 IEEE 会士



Philip T. Krein 柯云飞

Executive Dean Distinguished Professor under the One Thousand Talent Program Member of U.S. National Academy of Fellow of U.S. National Academy of Inventors Fellow of IEEE 联合学院执行院长 国家干人计划特聘专家 美国工程院院士 美国发明家协会院士 IEEE 会士

I'm privileged to lead ZJU-UIUC Institute in its mission to produce engineers of top quality, alumni of both Zhejiang University and UIUC, a group of young people with technological excellence, innovative mindset, and global vision, who will contribute to the development of engineering, industry and society. To produce such young talents will be my greatest pride and delight.

带领联合学院, 培养一批优秀的工程人才、一批浙 大和 UIUC 共同的优秀校友, 一批具有卓越技术、 创新精神、国际视野, 引领学科建设、推动产业发 展、造福社会的人才,一批值得我们自豪的青年才 俊 -- 这将是我最大的快乐。

For a long time, it has been my personal conviction that top quality engineering is the key to the future, especially in China. Cooperation and collaboration across cultures and oceans are things we need to strongly accelerate the creative process and energy of our students. The joint institute, I believe, will be a global model for how to achieve excellence in engineering education and learning.

我一直认为,高素质的工程人才是创造未来的关键, 对中国尤其如是。多元文化的交融与合作将有助于 学生创造力与潜能的大幅提升, 我相信浙江大学伊 利诺伊大学厄巴纳香槟校区联合学院将成为工程人 才跨文化、跨国合作培养的卓越典范。



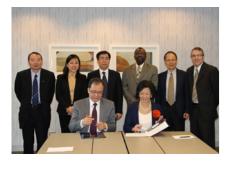


ZJU-UIUC INSTITUTE 浙江大学伊利诺伊大学厄巴纳香槟校区联合学院

The Zhejiang University-University of Illinois at Urbana-Champaign Institute (the ZJU-UIUC Institute or ZJUI) is a new cooperatively-run engineering college. By introducing globally-renowned engineering curricula and resources from UIUC, complemented with contributions from counterpart colleges and departments from ZJU, the ZJU-UIUC Institute will provide a world-class engineering education.

浙江大学伊利诺伊大学厄巴纳香槟校区联合学院(ZJU-UIUC Institute)是 浙江大学(ZJU)与美国伊利诺伊大学厄巴纳香槟校区(UIUC)共建的教 学与研究学院。联合学院引进 UIUC 工学院顶尖专业的培养体系及教学资源, 结合浙江大学相应院系的优势,为学生提供世界一流的工程教育。

ABOUT THE ZJU-UIUC INSTITUTE







Zhejiang University and the University of Illinois at Urbana-Champaign sign a strategic cooperation agreement

浙江大学和伊利诺伊大学厄巴纳香槟校区签署全面战略合作协议

ZJU-UIUC Institute launch ceremony is held in Hangzhou

浙江大学伊利诺伊大学厄巴纳香槟 校区联合学院成立 Opening ceremony for Class of 2021 is held in Haining 第二届新生入学典礼举行

2013 Sep. 2016 Feb.1 2016 Apr.11

2016 Sep.11 2017 Sep.16

Ministry of Education approves the ZJU-UIUC Institute

教育部批准设立"浙江大学伊利诺伊大学厄巴纳香槟校区联合学院"





Opening ceremony

in Haining

for Class of 2020 is held

第一届新生入学典礼举行

To be continued

.

Zhejiang University 浙江大学

Founded in 1897, Zhejiang University is one of China's oldest and most prestigious institutions of higher education. Reporting directly to the Ministry of Education, Zhejiang University is a "211 Project" and "985 Project"university with strong support from central, provincial, and local governments. It is a member of the C9 League and the Association of Pacific Rim Universities.

The engineering programs of Zhejiang University ranked 4th in the World Best Global Universities Rankings published by US News & World Report in 2016.

浙江大学是一所历史悠久、声誉卓著的高等教育学府,成立于 1897 年。浙江大学直属于中华人民共和国教育部,是中国"211 工程"和"985 工程"重点建设的高校,是 C9 联盟、环太平洋大学联盟的成员。

2016 年度《美国新闻与世界报道》(US News & World Report)世界大学排名中,浙江大学工学学科位列世界第四。



207 alumni of ZJU have been elected members of the Chinese Academy of Sciences or members of the Chinese Academy of Engineering 浙江大学共有 207 位校友 当选中国科学院、工程院院士



23 Nobel Laureates and 26 Pulitzer Prize Winners from UIUC UIUC 诺贝尔奖获得者 23 位 UIUC 普利策奖获得者 26 位

University of Illinois at Urbana-Champaign 伊利诺伊大学厄巴纳香槟校区

Founded in 1867, the University of Illinois at Urbana–Champaign (UIUC) is a public research-intensive university in the U.S. It is a founding member of the Big Ten Conference and a member of the Association of American Universities. The university is considered to be a "Public Ivy" institution. UIUC ranked 4th in the Academic Ranking of World Universities in Engineering/Technology and Computer Sciences, published in 2015.

美国伊利诺伊大学厄巴纳香槟校区(UIUC)建于1867年,是美国顶尖的综合性研究型大学,是美国"十大联盟(Big Ten)"创始成员,美国大学协会(AAU)成员,被誉为"公立常春藤",与加州大学伯克利分校及密歇根大学并称"美国公立大学三巨头"。

UIUC 在工科领域尤为卓越。2015 年上海交大公布的"世界大学学术排名"工学学科排名中, UIUC 位列世界第四。

Undergraduate Programs 本科专业









The ZJU-UIUC Institute offers four academic programs, including mechanical engineering. electrical engineering, computer engineering, and civil and environmental engineering.

The engineering curricula follow both those of UIUC and of ZJU. Strong emphasis on teamwork, creative problem solving, and laboratory instruction are examples of this state of the art engineering education program.

联合学院目前所设专业包括: 机械工程、电气工程 及其自动化、电子与计算机工程和土木工程。

联合学院引进 UIUC 工学院顶尖专业的培养体系 及教学资源,结合浙江大学相应院系的优势,形成 卓越独特的教学模式,强调团队合作、创造性解决 问题和实验教学,为学生提供世界一流的教育。

Dual Degree 双学位

Students admitted to this degree program are enrolled in both Zhejiang University and the University of Illinois at Urbana-Champaign.

Students who successfully complete the program and meet the requirements of both universities will receive two bachelor's degrees in their respective major fields:

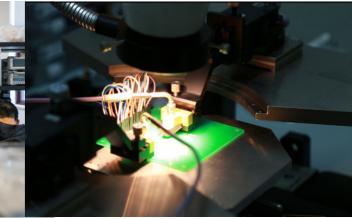
- Bachelor of Engineering from Zhejiang University

联合学院学生入学时,在浙江大学和伊利诺伊大学 厄巴纳香槟校区两边注册学籍。

完成专业学习,符合两校学位授予条件的学生将同

- 伊利诺伊大学厄巴纳香槟校区学士学位
- 浙江大学学士学位





Graduate Programs 研究生培养

The ZJU-UIUC Institute is building interdisciplinary Innovation teams of graduate students. The Institute enrolls both M.S. and Ph.D. candidates and continues to grow its research mission.

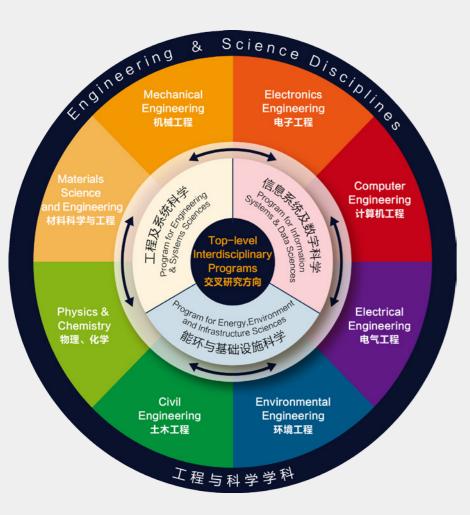
Institute graduate programs combine toptier research and innovation from UIUC with counterparts from ZJU. The ZJU-UIUC Institute aims to foster fundamental science-based solutions. comprehensive innovation, and world-class research practices as it carries out its objectives for global vision and leadership in engineering and science.

The ZJU-UIUC Institute recruits world-class scholars as faculty, research leaders, and project investigators. The Institute explores long-term challenges to solve the problems of tomorrow. During graduate study, students have the opportunity to work and collaborate at both universities and serve as leaders on the International Campus. Each students has joint supervisors from China and from the U.S.

联合学院开展工程科学交叉研究的研究生培养、招 收硕士研究生和博士研究生,目前主要研究领域为 工程及系统科学、信息系统及数字科学、能环与基 础设施科学,科学研究将逐渐发展壮大。

研究生培养融合浙江大学坚实广博的工学和理学学 科基础与 UIUC 工学院前沿创新的科研实力。联 合学院旨在创造以基础学科为基的问题解决方案、 多领域创新发明,并为学生提供世界一流的研究训 练, 培养学术水平高、科研能力强、具有创新精神、 创造能力、创业素质,能把握并引领科技进步、致 力于社会进步与产业更新的工科高端人才。

联合学院聘请国际一流学者担任学科带头人及导 师,开展重大工程科学领域的前沿研究,合作培养 研究生。研究生在读期间,有机会到两校的实验室 开展合作研究, 在中美双方导师的联合指导下, 开 展多学科交叉的研究课题。



Research 科研

The ZJU-UIUC Institute breaks down boundaries between traditional engineering disciplines, and does not plan to establish disciplinebased departments or institutes. Instead, it creates cross-disciplinary teams and activities, and encourages multidisciplinary knowledge convergence and cross cooperation. Corresponding to this cross-disciplinary emphasis, experimental classes that include Engineering and Systems Science, Information Systems and Digital Science, and Energy and Environmental Engineering Science, are organized for advanced students. Courses that emphasize entrepreneurship and creative problem solving are incorporated throughout the curriculum. Design courses include students from multiple degree programs, working together. These activities cultivate innovative talents with cross-cutting and multidisciplinary knowledge.

联合学院打破传统工程学科界限,不按学科属性设立系、所等机构,建立学科交叉研究平台,鼓励多学科知识融合、开展交叉合作研究。与交叉平台相对应,本科生高年级阶段设立交叉学科创新实验班,如工程与系统科学创新试验班、信息系统科学创新实验班等,促进不同专业学生相互合作。此外,课程全部环节都贯穿对创业精神和创造性解决问题能力的培养,为社会造就跨领域、多学科知识背景创新人才。





About our faculty 师资构成

- Outstanding scholars in their fields
- International credentials and stature
- Members of the National Thousand Youth Talents Plan and the Thousand Talents Distinguished Professor Plan
- 功成名就的学术大师
- 外籍教学型资深教授
- 国家干人计划级学者



Faculty recruiting 师资来源

- University of Illinois at Urbana-Champaign
- Zhejiang University
- Talent recruited from top-tier international universities that include MIT, UC Berkeley, UIUC, CalTech, Johns Hopkins, ZJU, Tsinghua, Cambridge, etc.
- Innovation leaders with industry experience
- 伊利诺伊大学厄巴纳香槟校区
- 浙江大学
- 全球招聘教师(世界一流大学标准招聘)
- 行业资深领袖

ZJUI Faculty 专聘教师

Adjunct Faculty 兼聘教师



Li Erping 李尔平

- · Changjiang Scholar
- · Distinguished Professor under the One Thousand
- Talent Program · Fellow, IEEE
- · "长江学者" 讲座教授 首批国家干人计划特聘专家
- · IEEE 会士



Philip T. Krein

- · Professor and Grainger Endowed Chair Emeritus, UIUC
- · Distinguished Professor under the One Thousand Talent Program · Member, U.S. National Academy of
- · Fellow, IEEE ·UIUC资深教授,固安捷前主席
- 国家干人计划特聘专家
 - ·美国工程院院士



Ma Hao 马皓

- · Professor, ZJU · Vice Dean, ZJUI
- ·浙江大学教授
- · ZJUI 副院长
- · ZJUI 能环与基础设施科学系主任 · ZJUI 终身教授 "长江学者"特聘教授

Sciences, ZJUI

Xiao Yan 肖岩

· Changiiang Scholar

·国家干人计划特聘专家

· Program Director for Energy.

Environment, and Infrastructure

One Thousand Talent Program

· Full Professor(Tenured), ZJUI

· Distinguished Professor under the



Thomas Honold

- · Professor(Teaching), ZJUI · PhD, Technical University of Munich
- · ZJUI 教授 (教学)
- ·慕尼黑工业大学博士



Chen Hong 陈红

- · Professor, ZJU
- ·浙江大学教授



Chen Wei 陈为

· Professor, ZJU ·浙江大学教授



Ju Bingfeng 居冰峰

· Cheung Kong Chair Professor, ZJU 浙江大学长江学者特聘教授



Lyu Chaofeng 吕朝锋 Qi Donglian 齐冬莲 · Cheung Kong Chair Professor · Professor, ZJU

- (Youth Project), ZJU ·浙江大学青年长江学者特聘教授
- 浙江大学教授



· Professor, ZJU 浙江大学教授



Richard W. Jones

- · Professor(Teaching), ZJUI
- · ZJUI 教授 (教学)
- · 英国纽卡斯尔大学博士



Mark Butala · Assistant Professor, ZJUI

- · PhD, UIUC · ZJUİ 助理教授
- · UIUC 博士



Weeliat Ong

- · Associate Professor, ZJUI · PhD, Newcastle University, UK · PhD, Carnegie Mellon
 - University · ZJUI 副教授
 - · 卡内基梅隆大学博士

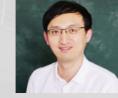
Liangiing Yang

· ZJUİ 助理教授

东京大学博士

· Assistant Professor, ZJUI

PhD, University of Tokyo



Chen Wenchao 陈文超 Cui Jiahuan 崔佳欢

- · Assistant Professor, ZJUI PhD, University of Florida
- · ZJUİ 助理教授
- 佛罗里达大学博士

· ZJUI 助理教授

浙江大学博士



- · Assistant Professor, ZJUI
 - PhD. University of Cambridge
 - · ZJUI 助理教授 剑桥大学博士



Hu Huan 胡欢

- · Assistant Professor, ZJUI PhD, UIUC
 - · ZJUI 助理教授





Liu Wei 刘炜

- Li Chushan 李楚杉 · Assistant Professor, ZJUI · Assistant Professor, ZJUI · PhD, Purdue University · PhD, Zhejiang University
 - · 7.II.I 助理教授
 - 普渡大学博士



Xiong Xiaoyan 熊晓燕

- · Assistant Professor, ZJUI · PhD, University of Hong Kong
- · 7.|| 助理教授 香港大学博士



Lu Xuanhui 陆璇辉 Xu Yang 徐杨

Marilyn Holguin

· UIUC 英语系讲师

Department of English, UIUC

· Professor, ZJU ·浙江大学教授



- · Professor, ZJU
- · PhD, UIUC ·浙江大学教授 · UIUC 博士

Mats Selen

· UIUC 物理教授

· Professor of Physics, UIUC

· 2016 U.S. Professor of the

· 2016 年美国国家教授奖获得者



Zhang Jianbo 张剑波

- · Professor, ZJU
- ·浙江大学教授

Ryan Flanagan

· UIÚC 英语系讲师

Department of English, UIUC

· Lecturer,



B F Spencer, JR

· Professor, UIUC 2018 NATHAN M.

Xinlei Wang

· Professor, UIUC

· UIUC 教授

- NEWMARK MEDAL · UIUC 教授
- 2018年纽马克奖章获得者



Erol Tutumluer · Professor , UIUC · UIUC 教授

· Associate Professor, UIUC · Associate Dean of College of

Liang Y. Liu

Engineering, UIUC · UIUC 副教授 · UIUC 工学院副院长





Vadim Zharnitsky

· Professor of Mathematics, UIUC

· UIUC 数学教授



Volodymyr Kindratenko

- · Associate Professor, UIUC · UIUC 副教授

* 因篇幅有限,仅列举部分教师 Due to limited space, only list a few

11 Students 学生培养 2



Our students

Students have participated or led a wide range of activities, on the International campus and on other ZJU campuses. From faculty-led research projects to the Haining Poetry Festival, there are no limits to student involvement. From cooking clubs to multicultural events, there are no limits on extracurricular activities. Students have been active in several sports clubs, touring groups, and research workshops. Our students have had

many opportunities to demonstrate their creativity and technical excellence.

学生们在国际校区和浙大其他校区广泛参加或领导了各类活动。从教师带领下的研究项目到徐志摩音乐诗会,学生参与实践多种多样,从厨艺社团到多元文化交流活动,学生课外活动多姿多彩。此外,还有运动社团、旅行社团、研究小组等……学生们可以尽情展示他们的创造力和技术专长。













Student Cultivation 培养特色

1. Interdisciplinary Innovation Cultivation

Today's most important engineering challenges require expert teamwork across many disciplines. ZJUI students learn the deep knowledge and fundamentals that define their core discipline, and work together across all disciplines on design projects and comprehensive problems. Advanced classes in systems-oriented topics, student teams built around major international competitions, and visitors from all over the world help to demonstrate convergence and cooperation. Students are engaged in engineering challenges from their very first semester. The engagement in design and in broad engineering challenges begins immediately and progresses throughout the curriculum. By their final year, students are organizing and working on multidiscipline design teams to invent a solution to a problem they have

1. 交叉创新培养

当今工程领域最重要的挑战都需要专家团队跨领域 合作。学生将会深入学习学科核心及基础知识,在 设计项目和综合问题上开展跨学科合作。联合学院 还会有系统导向的高级课程,围绕大型国际比赛建 立学生团队,更有会自世界各地的专家支持,海纳 百川、兼容并蓄、合作共赢。学生从第一学期就开 始应对工程挑战,并将广泛设计和参与工程挑战贯 穿整个课程始终。最后一年学习时,学生将会选择 一个他们感兴趣的问题,并通过组建跨学科团队来 共同对该问题提出解决方案。

2. Elite Education

· First-class faculty members are recruited worldwide. Faculty members from ZJU and UIUC also participate in our programs. The undergraduate student-faculty ratio at ZJUI is no higher than 8:1.

· Faculty-student interaction is emphasized. Courses combine lectures, discussions, and experiments. Visitors and faculty are involved in an active seminar series. Laboratory facilities are built to follow the best global practices.

· We are seamlessly connected to our partners. Programs, curricula, core teaching materials, quality standards and outcome-based evaluations are drawn from our partners. Each curriculum features a broad range of courses and meets general education requirements of UIUC and of ZJU. All courses are taught in English.

2. 精英培养模式

· 面向全球招聘一流师资, 同时选聘部分来自浙江 大学和 UIUC 的优秀师资,参照一流大学生师比 标准,本科生生师比不高于8:1。

·强调师生互动,所有课程授课均采用理论课和讨 论课、实验课结合的形式,讨论课和实验课均以小 班化教学为主。来访学者和教师都积极参与讲座课 程,旨在帮助学生拓宽视野。实验室设施一流。

·与合作伙伴无缝对接,全程引入合作伙伴的培养 方案、课程体系、核心教材、教学资源、质量标准 和保障体系,注重通识教育,全英文授课。

Engineering Orientation 工程导论课



·First-term students participate in Introduction to Engineering. This orientation and project course includes weekly seminars and team design activities. Elite scientists and engineers from academia and industry worldwide are invited to give seminars that broaden students' horizons. Student teams study broad design challenges, presenting their proposals to the full group.

- ·We value the integration of theory and practice. We seek to build scientific foundations and address broad technology applications. We strengthen questionoriented learning, research, and practical training. Students participate in research projects both in the classroom and alongside faculty members and graduate students. We also provide a wide range of internship opportunities, and build our students' capacity for innovation, invention and entrepreneurship.
- · 为大一新生开设工程导论课程,每周邀请全球学术界、 工业界精英来校开设讲座,同时结合团队设计项目训练, 拓展学生知识视野,发现个人兴趣,启发智慧灵感。
- · 注重理论实践结合, 强化问题导向学习、科研和实践 训练, 学生普遍参与设计与课题研究, 提供广泛实习机 会, 培养创新、发明、创业能力。

Professors delivered a seminar under the Engineering Orientation



Benito J. Mariñas



Liang Y. Liu



Professor, UIUC



Luke P. Lee Vice President, National University of Singapore



Martin Ester Professor, Simon Fraser University, Canada





Professor, UIUC



Professor, ZJU



Professor, UIUC

3. First-Class Campus

The International Campus provides faculty and students with a first-class environment for living and learning.

- · First-class support and services are provided by the Campus Operation & Service Center and the Student Center.
- · First-class teaching facilities include classrooms equipped with interactive integrated teaching systems, classrooms with flexible furniture and configurations, small meeting and discussion rooms, and world-class laboratories.
- · First-class academic support through the library, outstanding information technology, and access to information and study facilities.
- · First-class sports and activity facilities include music rooms, game rooms, a massive sports center, and student activity rooms.

培养特色

Student Cultivation

3. 一流校园支撑

国际校区为教师和学生营造一流教学与生活环境。

- ·一流后勤服务,校园运营中心、学生活动中心等 为教师和学生提供全方位后勤保障服务。
- ·一流教学设备,所有教室配置现代互动型交互一 体机,为教师课堂教学提供现代化教学硬件支持, 自由移动式桌椅便于小班化讨论式教学。实验室配 置有世界级设备。
- ·一流学术资源,图书馆和信息中心提供丰富的学 术资源和学习设施。同时,教学教务系统与辅助教 学平台均采用国际一流大学使用的主流产品。
- · 一流活动设施,乐队室、琴房、游戏室、各类体 育运动场馆及学生活动设施一应俱全。

International Campus 国际校区

The ZJU-UIUC Institute is based on the Zhejiang University International Campus. To explore new models of higher education that combine the best practices of the east and west, draw from advanced educational experiences around the world and cultivate innovative talent with international vision, Zhejiang University initiated development of an International Campus in February 2013. The plan was approved by the Ministry of Education in October 2015. and the first students enrolled in September 2016.

ZJU-UIUC 联合学院位于浙江大学国际校区内。为进一 步服务国家人才强国战略和创新驱动发展战略,提高浙江 高等教育水平和国际影响力,加快浙江大学建设世界一流 大学进程, 浙江大学于 2013 年 2 月启动筹建浙江大学国 际联合学院(海宁国际校区),并于2015年10月正式 获得教育部的批准。第一届学生于2016年9月入学。



Location 区位

The International Campus is located in Haining in northeast Zhejiang province. Haining is at the heart of the Yangtze River Delta economic zone, with Hangzhou to the west, Suzhou to the north, and Shanghai only 120 kilometers to the east. There are five domestic and international airports within 2 hours' drive, The Shanghai-Hangzhou high-speed railway crosses the town. Multiple expressways in and around the city connect to Hangzhou, Suzhou, Shanghai, Ningbo, and the rest of China. The intercity railway from Hangzhou to Haining, whose terminal station is on the east side of the campus, is under construction.

国际校区位于浙江海宁,海宁是长三角经济圈的核心腹 地, 西与杭州接壤, 北近苏州, 东距上海 120 公里。周 边五大机场2小时内可达,沪杭铁路、高铁横贯海宁,6 条高速公路穿境而过,连接着杭州、苏州、上海、宁波等地。 终点站在校区东侧的杭州(临平)—海宁城际铁路正在 建设中。



The International Campus emphasizes a residential college model. Each residential college provides a friendly and supportive learning-andliving environment. Each student has a private bedroom, shared bathroom and common living space. Each College offers library facilities, study rooms, discussion and interactive spaces, laundry facilities, activity spaces, and fitness rooms.

The Master of the Residential College, Professor Lap-Chee Tsui, is a famous educator who was President of the University of Hong Kong for 12 years. The Fellows, Tutors and Counselors in each College are ready to help students make the most of their learning experience, through general education, personal development, extracurricular activities, and events. The program seeks to help students become well-rounded people with knowledge, leadership skills, competence, creativity, morality, and individuality.

A trained support team is available on campus 24 hours a day.

浙江大学国际校区采取完全住宿式书院制, 学生与 老师同住在书院内, 学生可以在书院中住宿、自习、 研讨、就餐、休闲和社交。每个学生拥有独立的居 住空间,并共享客厅和卫生间。书院一楼的多功能 建筑设计(图书室、学习室、讨论室/交流吧、活 动室/休闲吧、健身房等)为学生提供了一个亲密的、 支持性的学习生活环境。

书院由著名教育家、香港大学前任校长徐立之院士 担任院长,他曾任港大校长 12 年。 书院配备了资 深导师、学业导师和生活导师等。书院营造的学业 指导环境、素质发展环境、生活共享环境集通识教 育、素质教育、养成教育于一体,促进学生在知识、 能力、素质、人格等方面的全面发展。

此外,还有一支训练有素的支撑服务团队 24 小时 为师生提供服务。





19 Campus 校园环境 Campus 校园环境 20





















