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## Highlights

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### ICSA Webinar (November 8, 2024)

Title: Main Emphasis of a Statistician's Work in the Pharmaceutical Industry — Section 1: Late-stage Clinical Trial Design

Time: Nov 8<sup>th</sup> 2:00 PM EST

Speaker: Deli Wang

The objectives of this webinar are to provide detailed information for standard late-stage clinical trials design and understand main components for the sample size determination for late-stage clinical trials. The study design will focus on Phase 2 and Phase 3 trial designs for continuous, binary or time-to-event endpoints. Parameters needed for the sample size determination for clinical trials are discussed and separate examples will be used to demonstrate how to calculate sample size for Phase 3 superiority trials with continuous endpoint, binary endpoint and time-to-event endpoint.

**Registration link:**

[https://us06web.zoom.us/webinar/register/WN\\_89sUMD6uT4WEqaDVfzcqlA#/registration](https://us06web.zoom.us/webinar/register/WN_89sUMD6uT4WEqaDVfzcqlA#/registration)

### Announcement from ICSA

#### Membership Fee Adjustment starting from January 1, 2025

Approved by the ICSA board of directors, the ICSA membership fee will be adjusted beginning from 2025. The adjustment includes adding new membership categories and membership due adjustment.

- 1-year membership: \$95, or \$75 with evidence of IMS member
- 3-year membership: \$270
- 5-year membership: \$400
- Permanent membership: \$1500
- 1-year Student member: free
- 1-year Joint ICSA and IMS: \$75



## New Award Category

Approved by the ICSA board of directors, a new ICSA award, named “Catalyst for Impact Award”, is established for applied/industry statisticians.

The evaluation criteria for Statistical Contribution and Achievement in the Industry have been drafted and are ready for finalization.

### Impact on Innovation

- Advancement and application of statistical methods that are recognized by both the industry and regulatory agencies.
- Recognition through: Impact of publications and citations, and Receipt of awards and fellowships.

### Community Engagement

- Demonstrating leadership through active engagement within the broader community.
- Commitment to driving positive change beyond organizational boundaries.
- Promotion of statistics as a discipline, highlighting its significant impact and influence.

### Mentoring and Developing the Next Generation of Statisticians

- Dedication to the professional growth of emerging statisticians.
- Providing guidance and sharing knowledge with the next generation.
- Creating opportunities for young professionals to grow and succeed in their careers.

## Call for Pao-Lu Hsu Award Nomination by March 1, 2025

The [Pao-Lu Hsu Award](#) is presented every three years by the International Chinese Statistical Association (ICSA), usually at the ICSA International Conference, to an individual under age 50, who makes influential and fundamental contributions to any field of statistics and probability, and exemplifies Hsu's deep involvement in developing statistics and probability research with significant impact on education.

Professor Hsu, born in 1910, was a pioneer and founder of the newly formed discipline of statistics and probability in China. He was best known for his rigorous research with depth and breadth, and for his profound impact on younger generations. He became the first professor of statistics and probability, Peking University, in 1940. In 1948, he was elected to the very first



class of Academicians of the Chinese Academy of Sciences. He published about 40 articles; see "Pao-Lu Hsu Memorial Collection" published by Peking University Press for more details.

**Eligibility:** The prize is open to all nationalities, member or non-member of ICSA. Priorities are given to the candidates whose work contributes greatly to the research and education of Chinese statisticians. The award recipient will speak at an ICSA International Conference. The award includes \$3000 (US dollars) in cash prize.

**Nomination Process:** Please send the following materials to Award Committee Chair, Professor Zhigang Li, via email to [zhigang.li@ufl.edu](mailto:zhigang.li@ufl.edu) with the subject entitled "Pao-Lu Hsu Award Nomination". Items below can be sent as pdf, ps or plain text attachments.

(A) Nomination letter which include the following information: nominator's name, mail/email address and phone number; nominee's name, date of birth, title, institutional affiliation, and contact information; a summary of the supportive evidence that are the basis for the nomination. The length of the nomination letter should not exceed 3 pages.

(B) Nominee's current CV.

(C) Three letters of recommendation.

**Deadline:** The deadline for nomination is **March 1, 2025**.

## ICSA Applied Statistics Symposium (June 15 – 18, 2025)

The ICSA Applied Statistics Symposium will be held at the University of Connecticut, Storrs, CT, from June 15 to 18, 2025. Organized by Dr. Xiaojing Wang ([xiaojing.wang@uconn.edu](mailto:xiaojing.wang@uconn.edu)) and Dr. Dacheng Liu ([dacheng.liu@boehringer-ingenelheim.com](mailto:dacheng.liu@boehringer-ingenelheim.com)), the symposium will have keynote speeches, scientific sessions, short courses, poster sessions, a members' meeting, a mixer, a traditional ICSA banquet, and other social gatherings. The detailed information will be shared later through newsletters, websites, and other social media.

## ICSA China Conference (June 28-30, 2025)

The highly anticipated ICSA China Conference will be held at Beijing Normal University at Zhuhai, Zhuhai, Guangdong Province, China from June 28 to 30, 2025. Co-chaired by Prof. Lixing Zhu ([lzhu@bnu.edu.cn](mailto:lzhu@bnu.edu.cn)) and Prof. Yuanjia Wang ([yw2016@cumu.columbia.edu](mailto:yw2016@cumu.columbia.edu)), the conference welcomes attendees from academia, industry, and government around the world. The detailed information will be shared later through newsletters, websites, and other social media.



## Invitation to Submit by April 30, 2025, from Statistics and Its Interface

We are pleased to invite submissions for a special issue of *Statistics and Its Interface* focusing on recent advances in statistical learning of multivariate data analysis.

*Statistics and Its Interface* explores the intersection between the field of statistics and other disciplines, publishing high-quality articles across broad areas of statistical science. The journal emphasizes substantive problems, sound statistical models and methods, clear and efficient computational algorithms, and insightful discussions of motivating problems. This special issue aims to review and compile recent advances in statistical learning of multivariate data.

The main topics covered in this special issue include both traditional multivariate regression analysis such as multivariate distribution theory, multivariate regression models, discrimination and classification analysis, factor analysis, clustering, and covariance models, as well as contemporary multivariate analysis. Topics in the latter category include high-dimensional data analysis, dimension reduction techniques, statistical inference, machine learning and statistical learning for multivariate data, network data analysis, image data analysis, and more.

As is customary with *Statistics and Its Interface*, the focus is on the development and evaluation of novel statistical methodologies for multivariate data. These methodologies may be motivated by practical or theoretical problems and driven by principles of statistical learning and machine learning. All methods should be validated through standard mathematical arguments, which may be complemented by asymptotic arguments or computer-based experiments. Illustrations with relevant and original data analysis are highly encouraged.

**The deadline for manuscript submission is April 30, 2025.** Submissions should clearly indicate that they are intended for the special issue on statistical learning of multivariate data analysis and must be submitted through SII's electronic journal management system. Further guidance about the structure, length, and format of manuscripts can be found on the journal webpage: [Statistics and Its Interface Submission Guidelines](#). All submissions will go through the regular review process. As the guest editors for this special issue, we will handle the peer review process carefully and in a timely manner.

With your support and collaboration, we are confident that this special issue will be a success and will reflect the state-of-the-art research at the frontier of this vital and rapidly developing area. We look forward to receiving your papers.

Guest Editors:

Prof. Bingyi Jing ([jingby@sustech.edu.cn](mailto:jingby@sustech.edu.cn)), Southern University of Science and Technology, China



Prof. Jinyuan Chang ([changjinyuan@swufe.edu.cn](mailto:changjinyuan@swufe.edu.cn)), Southwestern University of Finance and Economics

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Prof. Xuejun Jiang ([jiangxj@sustech.edu.cn](mailto:jiangxj@sustech.edu.cn)), Southern University of Science and Technology, China

## ASA Section on Risk Analysis 2025 Student Paper Competition

The Section on Risk Analysis of the American Statistical Association is soliciting entries for a student paper competition for the 2025 Joint Statistical Meetings (JSM). Up to three awards carrying a cash prize of \$600 each will be awarded, and up to two additional papers will get an honorable mention based on their ranking. This competition is open to all full or part-time graduate and undergraduate students, attending an accredited academic program. The student must be a member of the Section on Risk Analysis or should join the section at the time of the paper submission. The contribution may be a theoretical development or may cover any of the numerous applications of risk analysis, including environmental risk, financial risk, the risk to engineering structures, health risks, risks to defense and national security, etc. Papers that have been accepted for publication are not eligible for the competition. Winners must present their work in a JSM 2025 session sponsored by the Section on Risk Analysis.

Entrants should submit the following:

1. A list of authors and contact information (the student must be the first author).
2. A blinded version of the double-spaced manuscript, which excludes author information or other identifying information (PDF-only).
3. A reference letter from a faculty member familiar with the submitted work, stating the student status of the applicant and the publication status of the manuscript (PDF-only).

*Manuscript format:* The manuscript must include an abstract and can be up to 20 pages double spaced (excluding tables, figures, and references) in 12-point font. Tables, figures and the references are to be listed at the end.

Manuscripts should be submitted via a [web-form](#). All entries must arrive by **12pm (noon) EST on November 15, 2024**. Manuscripts will be judged by the Student Paper Award Committee,



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consisting of RAS officers based on relevance to the mission of the Section on Risk Analysis, as well as generalizability, novelty, statistical rigor, significance, and quality of presentation. The result will be announced by January 15, 2025. The winners will be required to submit their abstract to JSM by February 3, 2025.

Please direct questions to Yichuan Zhao, Chair of the Student Paper Award Committee, via email: [yichuan@gsu.edu](mailto:yichuan@gsu.edu).

## ASA BIOP Section Student Paper Competition by December 1, 2024

Submissions for the 2025 Biopharmaceutical Student Paper Awards are now open. These awards recognize outstanding student research in statistical content relevant to the biopharmaceutical field. Winners will present their papers at the 2025 Joint Statistical Meetings in Nashville, Tennessee, with cash prizes for the top three papers and honorable mentions at the discretion of the committee.

Eligible topics include preclinical and clinical trial methodologies, medical product safety studies, genetic studies, data science, high-dimensional data analysis, and pharmacokinetic modeling.

Submit both a complete and a blinded paper electronically in pdf format by December 1, 2024. The email should include the student's name, school, and contact information. Blinded submissions should omit names and affiliations within the text.

**Papers should not exceed 20 pages of double-spaced text, plus up to 5 pages of appendices.** Submissions must be labeled "Biopharmaceutical Section Student Paper Submission" and sent to Jianchang Lin ([Jianchang.Lin@Takeda.com](mailto:Jianchang.Lin@Takeda.com)).

Winners will be notified prior to the abstract submission deadline and must submit an abstract as a contributed paper for JSM.

## Call for Nominations: C. R. and Bhargavi Rao Prize



Members of the Rao Prize Committee are accepting nominations for the C. R. and Bhargavi Rao Prize for Outstanding Research in Statistics. The prize, awarded by the Penn State Department of Statistics, was established to recognize outstanding and influential innovations in the theory and practice of mathematical statistics, international leadership in directing statistical research, and pioneering contributions by a recognized leader in the field of statistics.





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The Rao Prize is awarded in odd-numbered years to an individual selected by the members of the Rao Prize Committee. The honoree receives a plaque and an invitation to visit Penn State to give a talk.

Nominations should include a letter describing the nominee's outstanding contributions to leadership and research in statistics, a current curriculum vita, and two supporting letters. Submissions are due **January 15, 2025**, and should be emailed to Prof. Nicole Lazar, Head of the Department of Statistics, at [nf15182@psu.edu](mailto:nf15182@psu.edu). For detailed information including the honorees, please visit [C. R. and Bhargavi Rao Prize | Eberly College of Science \(psu.edu\)](#).

## Workshop on "Experimental Designs in the Era of Artificial Intelligence", at UC Berkeley, California, March 7-8, 2025

This workshop aims to bring leaders and junior researchers from diverse fields and backgrounds, including statisticians, biostatisticians, and industrial partners, to foster collaborative dialogues, identify pressing challenges, and explore connections among various fields in experimental designs in this age of AI. For more information, please contact Dr. Jingshen Wang ([jingshenwang@berkeley.edu](mailto:jingshenwang@berkeley.edu)), or <https://www.design-ai.site/Berkeley-2025/>.

## Symposium on Foundations for Statistical Science, to be held in Kunming, China, July 25-26, 2025.

The conference will honor Professor Jiahua Chen's significant contributions to statistical science and celebrate his 65th birthday. The program includes keynote and invited talks on various statistical topics, reflecting Professor Chen's impact on finite mixture models, Bayesian information theory, experimental design, and survey sampling. The event also acknowledges his roles as Editor-in-Chief of The Canadian Journal of Statistics and the 2005 President of ICSA. For more information, contact Prof. Changbao Wu ([cbwu@uwaterloo.ca](mailto:cbwu@uwaterloo.ca)).

## Corner to Celebrate ICSA Members

This section was created to highlight the achievements of our members. All ICSA members are encouraged to contact Dr. Jun Zhao, the ICSA Executive Director ([executive.director@icsa.org](mailto:executive.director@icsa.org)) with a brief introduction about themselves and the award.



## 2024 ICSA Award Winners

### 2024 ICSA Distinguished Achievement Award



Yao, Qiwei

Citation:

For distinguished achievements in the areas of high-dimensional time series, dynamic networks, spatiotemporal processes, functional time series, and nonlinear time series.

### 2024 Outstanding Service Award



Zhao, Yichuan

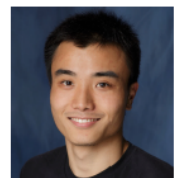
Citation: For leadership, mentorship and unselfish support to ICSA.



Hu, Joan

Citation: For long-lasting and far-reaching commitment to serving ICSA.

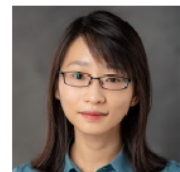
### 2024 ICSA Outstanding Young Researcher Award



Zhao, Bingxin

Citation:

For outstanding contributions to the fields of imaging genetics/genomics and neuroimaging.



Wang, Jingshen

Citation:

For outstanding contributions to the fields of causal inference for treatment heterogeneity and analyzing streaming data.



## 2024 ICSA President Citation Award



Kang, Jian

Xu, Gongjun

Citation: In recognition and appreciation of dedicated and outstanding service and leadership as the co-chair of the program committee for the 2023 Applied Statistics Symposium.



Song, Xinyuan

Sun, Tony

Citation: In recognition and appreciation of dedicated and outstanding service and leadership as the co-chair of the program committee for the 2023 ICSA International Conference.



Zheng, Haitao

Citation: In recognition and appreciation of dedicated and outstanding service and leadership as the co-chair of the program committee for the 2023 ICSA China Conference.

## ICSA Springer Book Series in Statistics

The editor of ICSA Springer book series in statistics, Dr. Din Chen, has reported that there are [29 books](#) in the series now. **Four** new books were published in 2024 with detailed message below. If you plan to write books in the series, please contact Dr. Din Chen ([Ding-Geng.Chen@asu.edu](mailto:Ding-Geng.Chen@asu.edu)).

**Dose Finding and Beyond in Biopharmaceutical Development**



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Authors: Jingjing Ye, Ding-Geng Chen, Wen Zhou, Qiqi Deng, Joseph C. Cappelleri

Copyright: 2024

Published: 2024

### **Modeling Binary Correlated Responses using SAS, SPSS, R and STAT**

Authors: Jeffrey R. Wilson, Kent A. Lorenz & Lori P. Selby

Copyright: 2024

Published: September 2024

### **Innovative Designs and Analyses for Small Population Clinical Trials**

Authors: Lei Nie & Jingjing Ye

Copyright: 2024

Published: July 2024

### **Statistics in Precision Health: Theory, Methods and Applications**

Editors: Yichuan Zhao & Ding-Geng Chen

Copyright: 2024

Published: April 2024

Refer to [this site](#) for all other books' information.

## **Sponsored and Co-Sponsored Journals**

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### **ICSA Sponsored Journals**

#### **Statistics in Biosciences**

The published new issue is Volume 16 Issue 2 in July 2024

[Statistics in Biosciences | Volume 16, issue 2 \(springer.com\)](#)

Recently accepted articles can be found at the journal website

<https://link.springer.com/journal/12561/onlineFirst/page/1>

A link for submitting your article to SIBS online is below



<https://www.editorialmanager.com/sibs/default.aspx>

## ICSA Co-sponsored Journal Statistica Sinica

Statistica Sinica is co-sponsored by the Institute of Statistical Science Academia Sinica (ISSAS) <https://www.stat.sinica.edu.tw/eng/index.php>. Forthcoming papers' information is available at <http://www3.stat.sinica.edu.tw/statistica/>. The new issue ([Volume 34 Number 4, October 2024 \(sinica.edu.tw\)](#)) is published.

There is one online special issue for your references:

[Vol 34 Special Issue, April 2024 \(sinica.edu.tw\)](#): Sequential Monte Carlo

ICSA members have access to these articles via the "membership only area" at <http://www.icsa.org>. If you have any problems with subscription, please contact the editorial office through [ss@stat.sinica.edu.tw](mailto:ss@stat.sinica.edu.tw).

## Upcoming ICSA Meetings

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Please find below a list of upcoming ICSA meetings. This list also appears on the ICSA website. Meetings not included in this list are not official ICSA meetings. If you have any questions, please contact Dr. Jun Zhao, the ICSA Executive Director ([executive.director@icsa.org](mailto:executive.director@icsa.org)).

All upcoming ICSA conferences are listed under [highlights section](#).

## Upcoming Co-Sponsored Meetings

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Please find below a list of upcoming ICSA co-sponsored meetings. This list also appears on the ICSA website. Meetings not included in this list are not officially co-sponsored meetings. If you have any questions, please contact Dr. Jun Zhao, the ICSA Executive Director ([executive.director@icsa.org](mailto:executive.director@icsa.org)).



## International Indian Statistical Association (IISA) 2024 conference, Dec 27 – Dec 31, 2024

IISA 2024 conference website is now live (IISA 2024 Conference ([intindstat.org](http://intindstat.org)))! The conference will be held at Cochin University of Science and Technology, India (<https://cusat.ac.in/>) between Dec 27 - Dec 31, 2024. KISS is currently accepting the invited session proposals. ICSA members are encouraged to organize invited sessions and/or attend the conference. Please notify the chair of the ICSA Program Committee Professor Xinping Cui ([xpcui@ucr.edu](mailto:xpcui@ucr.edu)), or the ICSA Executive Director Dr. Jun Zhao ([executive.director@ICSA.org](mailto:executive.director@ICSA.org)) on ICSA organized/sponsored sessions.

Timelines:

- 1st February 2024 Invited Session Proposal Submission Opens
- 31st March 2024 Deadline for submitting Invited sessions
- 31st March 2024 Early bird registration begins
- 31st March 2024 Abstract Submission opens (Contributed & Invited)
- 31st March 2024 Student Paper/Poster Competition Opens
- 31st July 2024 Early Bird Registration ends
- 31st July 2024 Student Paper Competition Submission deadline
- 15th November 2024 Regular Registration Ends

Please read the guidelines and submit your session proposals here <https://www.intindstat.org/conference2024/invitedSessionProposal>  
Please reach out to [IISA2024@intindstat.org](mailto:IISA2024@intindstat.org) with any question.

## Online Training and Seminars

### Stay tuned on ICSA Webinar Series in 2024

The ICSA (Webinar subcommittee, Outreach and Engagement Committee) is planning a series of webinars, with topics ranging from career development, statistical knowledge, to cutting edge statistical methodologies. ICSA members and friends will be notified of future Webinar information through emails, ICSA websites, social media (e.g., X, WeChat), and other social media platforms. The ICSA Webinar Subcommittee is planning the Career Development Webinar Series.

All the past webinars are recorded:



- ❑ Soft Skills and Leadership Development in the Pharmaceutical Industry – The Lotus Group series
  - No Experience, No Problem – Launching a Prosperous Career in the Pharmaceutical Industry (Feb 2024)
  - Elevating Careers Through Recognition and Visibility (April 2024)
  - Effective Communication at Work (October 2024)
- ❑ Basic Knowledge Training in the Pharmaceutical Industry
  - Daily Work Life as a Statistician in Pharmaceutical Industry (March 2024)
  - Clinical Development Plan - Understanding the Big Picture as a Statistician in the Pharmaceutical Industry (May 2024)
  - Main Emphasis of a Statistician’s Work in the Pharmaceutical Industry — Section 1: Late-stage Clinical Trial Design (planned on November 8, 2024)

Records and slides are available in this link: [Past Webinars – International Chinese Statistical Association \(icsa.org\)](https://www.icsa.org/past-webinars).

## Healthcare Innovation Technology: The Pod of Asclepius

Looking to stay up to date on developments in health care technology around the world? The American Statistical Association is sponsoring “The Pod of Asclepius”, a new podcast where data scientists, statisticians, engineers, and regulatory experts discuss the technical challenges in their healthcare domain.

We have over 20 episodes published and available on YouTube, Podbean, iTunes, Stitcher, Podchaser, Tune In Radio, and Google Play.

Looking for a good place to start? Check out the following newly released episode links:

- [The Logic of Statistics](#) with Keith O’Rourke
- [Causal Inference \(The Mixtape\)](#) with Scott Cunningham

**The easiest way to catch new episodes is to subscribe via our channels....**

**Youtube:** <https://www.youtube.com/channel/UCkEz2tDR5K6AjlKw-JrV57w>

**Podbean:** <https://podofasclepius.podbean.com>

You can see our full schedule on the website: [www.podofasclepius.com](http://www.podofasclepius.com)



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## Fall Series: The Philosophy of Data Science

The series is aimed at incoming statistics and data science students (but will be of significant interest to the general statistics / data science community). The topics will focus on how scientific reasoning is essential to the practice of data science.

For detailed information, please visit: <https://www.podofasclepius.com/philosophy-of-data-science>.

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## Job Listings

Assistant Professor in Applied Optimization and Operations Research / Data Science and Analytics, the Hong Kong Polytechnic University (Ref. 241106015)

### DEPARTMENT OF APPLIED MATHEMATICS

The Department of Applied Mathematics (AMA) offers Bachelor of Science (Honours) Scheme in Data Science, and makes a significant contribution to most of other academic programmes of the University by providing service teaching. It also offers master programmes in Applied Mathematics for Science and Technology with specialisms in Actuarial and Investment Science, Operational Research and Risk Analysis, Data Science and Analytics, and Quantitative Finance and FinTech. Members of the Department have expertise in applied optimization and optimal control, engineering computation, operational research, management science and applied statistics, FinTech, data science and machine learning. There are currently 49 academic staff and about 151 research personnel in the Department. Please visit the website at <http://www.polyu.edu.hk/ama> for more information about the Department.

The Department has established a Joint Laboratory of Applied Mathematics with the Academy of Mathematics and Systems Science of the Chinese Academy of Sciences. The appointee is expected to be actively involved in the activities of the Laboratory.

### Duties

The appointee will be required to:

- (a) teach and contribute to curriculum development at undergraduate and postgraduate levels;
- (b) supervise MPhil and PhD students;





- (c) engage in scholarly research, consultancy and other scholarly activities leading to publications in top-tier refereed journals and award of research grants;
- (d) undertake academic and departmental administrative duties; and
- (e) perform any other duties as assigned by the Head of the Department or his delegates.

### **Qualifications**

Applicants should:

- (a) have a PhD in Mathematics / Statistics / Financial Mathematics / Operations Research / Computational Mathematics / Applied Mathematics or a closely related field;
- (b) have expertise in applied statistics, operation research or mathematics;
- (c) have an established track record in research and scholarship, including refereed publications and external grant applications;
- (d) have a demonstrated commitment to excellence in teaching; and
- (e) be highly proficient in written and spoken English.

### **Conditions of Service**

A highly competitive remuneration package will be offered. Initial appointment will be on a fixed-term gratuity-bearing contract. Re-engagement thereafter is subject to mutual agreement. For general information on terms and conditions for appointment of academic staff in the University, please visit the website at

<https://www.polyu.edu.hk/hro/docdrive/careers/doc/Prof.pdf>.

### **Application**

Please submit an application through PolyU's career website

(<https://jobs.polyu.edu.hk/academic>). Consideration of applications will commence on 27 November 2024 until the position is filled. The University's Personal Information Collection Statement for recruitment can be found at

[https://www.polyu.edu.hk/hro/careers/pics\\_for\\_recruitment/](https://www.polyu.edu.hk/hro/careers/pics_for_recruitment/).

PolyU is an equal opportunity employer committed to diversity and inclusivity. All qualified applicants will receive consideration for employment without regard to gender, ethnicity, nationality, family status or physical or mental disabilities.



## **Founding Dean of Faculty of Computer and Mathematical Sciences, The Hong Kong Polytechnic University (Ref. 241030001-IE)**

### **Faculty of Computer and Mathematical Sciences**

This new Faculty of Computer and Mathematical Sciences (FCMS), to be established on 1 January 2025, will initially comprise three constituent academic units: Department of Applied Mathematics, Department of Computing, and Department of Data Science and Artificial Intelligence. As PolyU's answer to the challenges posed by the AI age, FCMS is expected to experience continuous growth over the coming decade, including the opportunity to establish additional academic units. FCMS is also expected to position PolyU as a world leader in the fields of applied mathematics, computing, data science, artificial intelligence and beyond, in teaching, research, and knowledge transfer, for the benefit of Hong Kong, the Nation and the world.

The University is now looking for this Founding Dean of the new Faculty and inviting nominations and applications for the post. The successful candidate should be qualified for appointment as Chair Professor, normally on regular terms in one of the three constituent Departments of the new Faculty, and will hold the Deanship on a concurrent basis. The Deanship appointment is normally for an aggregate period of six years in two three-year terms of office, but with possibility of further extension dependent on individual merits and achievements.

### **Job Functions**

The successful candidate should be a visionary leader as well as a world-renowned scholar in a relevant field pursuing impactful research and innovation with a strong commitment to building a world-leading faculty. Reporting directly to the Deputy President and Provost, the appointee will be required to assume the following responsibilities:

- (a) provide a forward-looking vision and effective leadership for the Faculty through proactive strategic planning, innovative strategies, strong teamwork and extensive engagement with stakeholders;
- (b) secure ample resources and manage resources efficiently to drive educational, research and knowledge transfer excellence;
- (c) ensure high-quality teaching as well as the holistic development of students and align FCMS's programmes with societal needs;
- (d) foster innovative and original research by all academic staff and maximize the impact of their research by supporting effective technology transfer;



- (e) promote genuine cross-disciplinary/departmental research programmes through appropriate mechanisms and incentives;
- (f) strengthen partnerships with both academic and non-academic organizations around the world for strategic collaborations;
- (g) stimulate a culture of innovation and entrepreneurship to support various activities; and
- (h) undertake any other responsibilities as assigned by the Deputy President and Provost or the Central Management Team of the University from time to time.

### **Qualifications**

Applicants should have:

- (a) both a distinguished record as a world-leading researcher in a core field of FCMS and a strong reputation of and commitment to educational excellence;
- (b) a proven track record of extensive experience and remarkable achievement as an academic leader in driving changes and achieving educational and research excellence;
- (c) the ability to promote interdisciplinary collaborations within the University to contribute to the digital transformation of the University's educational and research undertaking;
- (d) the capacity to develop strong global networks for enhancing the internationalization of the educational and research activities of the Faculty;
- (e) excellent and effective communication, interpersonal and resources management skills with strong commitment to ethics, transparency and fairness; and
- (f) substantial knowledge of the higher education environment in the local, regional and/or global contexts.

### **Conditions of Service**

Terms of appointment and remuneration package are negotiable and highly competitive. For general information on terms and conditions for appointment of academic staff in the University, please visit the website at <https://www.polyu.edu.hk/hro/docdrive/careers/doc/Prof.pdf>.

### **Application and Nomination**

The University invites applications and nominations for this appointment. Please submit an application through PolyU's career website ([https://jobs.polyu.edu.hk/deans\\_heads](https://jobs.polyu.edu.hk/deans_heads)). Candidature may also be recommended by nominations via email to the Chairman of the Search Committee for recruitment of Founding Dean of Faculty of Computer and Mathematical Sciences at [hrrscfms@polyu.edu.hk](mailto:hrrscfms@polyu.edu.hk). Consideration of applications and nominations will commence on 1 December 2024 until the position is filled. General information about the University is available



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at <https://www.polyu.edu.hk> or from the Human Resources Office [Tel: (852) 2766 5306]. The University's Personal Information Collection Statement for recruitment can be found at [https://www.polyu.edu.hk/hro/careers/pics\\_for\\_recruitment/](https://www.polyu.edu.hk/hro/careers/pics_for_recruitment/).

## **Assistant Professor, Associate Professor, and Professor, Department of Applied Mathematics, National Sun Yat-sen University, Gaoxiong (Kaohsiung)**

The Department of Applied Mathematics at National Sun Yat-sen University invites applications for several full-time faculty positions (availability subject to the approval by the University) beginning August 1, 2025. Recent PhDs and young researchers with exceptional potential are invited to apply for an assistant professorship, and senior fellows with academic reputation will be considered for an associate or full professorship. Applicants in all areas of mathematics, applied mathematics, scientific computing and statistics, as well as those specializing in data science and AI will be considered. A successful candidate should have a Ph.D. in relevant subjects, and the ability to teach in English. Applicants please send, by February 1, 2025, a cover letter of application, curriculum vitae, transcripts, publication list, and three recommendation letters to the following address by post or email, and fill in the online form for basic information.

### **Chairperson**

Department of Applied Mathematics, National Sun Yat-sen University, Kaohsiung 804, Taiwan, R.O.C.

Email: [head@math.nsysu.edu.tw](mailto:head@math.nsysu.edu.tw)

Tel: +886-7-5252000 ext. 3800, 3834; Fax: +886-7-5253809

Website: <https://math.nsysu.edu.tw>

Online form: <https://forms.gle/zBRx292qUz1H582N9>

## **Research Assistant Professor, The Hong Kong Polytechnic University, Hongkong**

**DEPARTMENT OF APPLIED MATHEMATICS**



**Research Assistant Professor in Applied Optimization and Operations Research / Data Science and Analytics / Applied Statistics and Financial Mathematics / Engineering and Computational Mathematics / Mathematical Science (two posts) (Ref. 241009001)**

The Department of Applied Mathematics (AMA) offers Bachelor of Science (Honours) Scheme in Data Science, and makes a significant contribution to most of other academic programmes of the University by providing service teaching. It also offers master programmes in Applied Mathematics for Science and Technology with specialisms in Actuarial and Investment Science, Operational Research and Risk Analysis, Data Science and Analytics, and Quantitative Finance and FinTech. Members of the Department have expertise in applied optimization and optimal control, engineering computation, operational research, management science and applied statistics, FinTech, data science and machine learning. There are currently 49 academic staff and about 145 research personnel in the Department. Please visit the website at <http://www.polyu.edu.hk/ama> for more information about the Department.

The Department has established a Joint Laboratory of Applied Mathematics with the Academy of Mathematics and Systems Science of the Chinese Academy of Sciences. The appointees are expected to be actively involved in the activities of the Laboratory.

**Duties**

The appointees will be required to:

- (a) conduct research as the main duty and actively pursue external research grants, such as General Research Fund, as Principal Investigator or Co-Investigator;
- (b) provide quality teaching at undergraduate or postgraduate level;
- (c) contribute to departmental service; and
- (d) perform any other duties as assigned by the Head of the Department or his delegates.

**Qualifications**

Applicants should:

- (a) have a PhD degree in Mathematics / Statistics / Financial Mathematics / Operations Research / Computational Mathematics / Applied Mathematics or a closely related field with experience in Data Science and Analytics;
- (b) preferably have at least two years of relevant postdoctoral research experience;
- (c) have demonstrated promise of a high level of creativity in research and teaching in some subdivisions of his/her field;
- (d) be able to demonstrate effective classroom teaching; and



(e) be highly proficient in written and spoken English.

### Conditions of Service

A highly competitive package including a medical benefits plan and a gratuity payable upon completion of the term, which is normally for two to three years initially, with possibility of extension.

### Application

Please submit an application through PolyU's career website (<https://jobs.polyu.edu.hk/rap>). **Consideration of applications will commence on 30 October 2024 until the positions are filled.** The University's Personal Information Collection Statement for recruitment can be found at [https://www.polyu.edu.hk/hro/careers/pics\\_for\\_recruitment/](https://www.polyu.edu.hk/hro/careers/pics_for_recruitment/).

## Assistant, Associate and Full Professor, National University of Singapore, Singapore

The Department of Statistics and Data Science at the National University of Singapore invites applications for tenure track and tenured positions in statistics, data science and related areas, at the Assistant Professor, Associate Professor and Professor levels. The anticipated start date of these positions is July 2025. Applicants must possess doctorates in their respective fields by the time of appointment.

The National University of Singapore offers internationally competitive salaries, generous research funding, travel support, relocation assistance and other benefits. The Department has nearly 40 faculty members and provides a stimulating research environment.

At the Assistant Professor position, we are interested in applicants with strong research potential. At the Associate and Full Professor positions, we are interested in applicants with a good track record in research, teaching and leadership.

Please submit a cover letter, curriculum vitae, research and teaching statements, and at least three letters of recommendation, uploaded by the letter writers, to [mathjobs.org](https://mathjobs.org).

## Tenure-track Faculty Positions, Institute of Statistical Science of Academia Sinica, Taiwan

### Position description



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The Institute of Statistical Science of Academia Sinica is seeking visionary scientists to join our interdisciplinary research community. Applications are invited for tenure-track appointments as Full/Associate/Assistant Research Fellows (equivalent to Full/Associate/Assistant Professors in Universities). This tenure-track faculty position expects candidates to have new insights into statistics, data sciences, and computer science-related fields, including artificial intelligence.

### **Qualification**

Candidates hold Ph.D. degrees in statistics, data sciences, computer science, or any related fields. Candidates with peer-reviewed papers or works published within the last five years are preferred.

### **Job description**

Academia Sinica, Taiwan's most preeminent academic research institution, offers generous research funding, travel support, faculty housing, and other benefits. The Institute of Statistical Science provides a secure and stimulating research environment, with more than 30 faculty members, supportive administrative and IT teams, and many international visiting scholars annually. Unlike the universities, our faculty members have the freedom to choose to teach or not to teach.

### **Application Materials**

(1) A cover letter; (2) An up-to-date curriculum vita; (3) A detailed publication list; (4) Research proposals about current and future work; (5) Three letters of recommendation; (6) Representative publications and technical reports; (7) Master's and doctoral advisers' names. Additional supporting materials, such as transcripts for new Ph.D. degree recipients, may also be included. We have a rolling recruitment process and will review applications as they are received. Applicants are advised to submit their applications early. Electronic submissions are encouraged. Applications should be submitted to

### **The Search Committee**

Institute of Statistical Science, Academia Sinica  
128, Sec. 2, Academia Rd, Nankang, Taipei 11529, Taiwan, R.O.C.  
E-mail: [recruit@stat.sinica.edu.tw](mailto:recruit@stat.sinica.edu.tw)



**Assistant Professor in Applied Optimization and Operations Research / Data Science and Analytics / Applied Statistics and Financial Mathematics / Engineering and Computational Mathematics / Mathematical Science (Ref. 240822006), The Hong Kong Polytechnic University, Hongkong**

The Department of Applied Mathematics (AMA) is part of the Faculty of Science. The Department offers Bachelor of Science Scheme in Data Science, and makes a significant contribution to most of the other academic programmes of the University by providing service teaching. It also offers master programmes in Applied Mathematics for Science and Technology with specialisms in Actuarial and Investment Science, Operational Research and Risk Analysis, Data Science and Analytics, and Quantitative Finance and FinTech. Members of the Department have expertise in applied optimization and optimal control, engineering computation, operational research, management science and applied statistics, FinTech, data science and machine learning. There are currently 49 academic staff and about 190 research personnel in the Department. Please visit the website at <http://www.polyu.edu.hk/ama> for more information about the Department.

The Department has established a Joint Laboratory of Applied Mathematics with the Academy of Mathematics and Systems Science of the Chinese Academy of Sciences. The appointee is expected to be actively involved in the activities of the Laboratory.

**Duties**

The appointee will be required to:

- (a) teach and contribute to curriculum development at undergraduate and postgraduate levels;
- (b) supervise MPhil and PhD students;
- (c) engage in scholarly research, consultancy and other scholarly activities leading to publications in top-tier refereed journals and award of research grants;
- (d) undertake academic and departmental administrative duties; and
- (e) perform any other duties as assigned by the Head of the Department or his delegates.

**Qualifications**

Applicants should:





- (a) have a PhD in Mathematics / Statistics / Financial Mathematics / Operations Research / Computational Mathematics / Applied Mathematics or a closely related field;
- (b) have expertise in applied statistics, operation research or mathematics;
- (c) have an established track record in research and scholarship, including refereed publications and external grant applications;
- (d) have a demonstrated commitment to excellence in teaching; and
- (e) be highly proficient in written and spoken English.

### Conditions of Service

A highly competitive remuneration package will be offered. Appointment will only be on a fixed-term gratuity-bearing contract.

### Application

Please submit an application through PolyU's career website (<https://jobs.polyu.edu.hk/academic>). **Consideration of applications will commence on 12 September 2024 until the position is filled.** The University's Personal Information Collection Statement for recruitment can be found at [https://www.polyu.edu.hk/hro/careers/pics\\_for\\_recruitment/](https://www.polyu.edu.hk/hro/careers/pics_for_recruitment/).