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# **Highlights**

## ICSA Midwest and NIC-ASA Joint Fall Meeting (October 5 – 6, 2022)

This ICSA Midwest and NIC-ASA joint fall meeting will be held at Hilton Hotel, Northbrook, IL from October 5 – 6, 2022. This meeting will be a face-to-face event. Stephanie Dunbar, AbbVie VP and Head of Statistical Sciences and Analytics, will be the keynote speaker. The registration will be open until September 28, 2022. To register for this meeting, please click [this link](https://www.eventbrite.com/e/nic-asa-and-icsa-midwest-chapter-joint-fall-meeting-tickets-409924203327). Detailed information including short courses, program, and other logistic can be found [here](https://www.icsa.org/membership/midwest-chapter/).

## The ISS 40th Anniversary Conference (December 15 – 16, 2022)

Academician Yuan-Shih Chow passed away on March 3, 2022. Academician Chow is well known for his academic contributions to the theories of martingale, stopping rule and sequential analysis. There will be a conference held at the Institute of Statistical Science, Academia Sinica (ISSAS) during December 15-16, 2022 with a theme in Memory of Academician Yuan-Shih Chow. This conference also celebrates ISS 40th anniversary. For detailed information, please refer to this website: <https://www3.stat.sinica.edu.tw/40iss/>.

## The 12th ICSA International Conference (Postponed to 2023)

The 12th ICSA International Conference is postponed to 2023 at the Chinese University of Hong Kong, Hong Kong. The date will be determined later. For information, please contact Scientific Program Committee Chair Professor (Tony) Jianguo Sun at sunj@missouri.edu or Co-Chair Professor Xingqiu Zhao at Xingqiu.Zhao@polyu.edu.hk. For detailed information, please refer to this site: <https://international2022.icsa.org/>.

## ICSA 2023 Applied Statistics Symposium (June 11 – 14, 2023)

The ICSA 2023 Applied Statistics Symposium will be held at the University of Michigan, Ann Arbor, MI. For session proposals, interests, and questions, please contact the co-Chairs of the Organizing Committee, Dr. Jian Kang (jiankang@umich.edu) and Dr. Gongjun Xu (gongjun@umich.edu). For detailed information, please refer to the link: [2023 ICSA Applied Statistics Symposium](https://symposium2023.icsa.org/).

## ICSA 2023 China Conference (June 30 – July 3, 2023)

The 2023 ICSA China Conference will be held at Chengdu, Sichuan, China from June 30 – July 3, 2023. It will be co-sponsored by the Southwest Jiaotong University (SWJTU).   The conference venue is Jinniu Hotel. The hotel information can be found at [http://www.jnhotel.com/](https://nam11.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.jnhotel.com%2F&data=05%7C01%7Cyichuan%40gsu.edu%7C48a57f6a9d934fadfaf908da9fc5ddd8%7C515ad73d8d5e4169895c9789dc742a70%7C0%7C0%7C637997969614161080%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=%2Blp0fpemT374m9ejEBHQxU7IRlClPCjcT6KtfEIptJ4%3D&reserved=0).  For more information, please contact the Scientific Program Committee Chair,  Professor Yichuan Zhao at yichuan@gsu.edu.  The scientific program committee welcomes invited session proposals.   Some related information about submission link and timeline of the invited session proposal is as follows.

### Call for Invited Session Proposals

    One-talk rule will be applied.  Each speaker in this conference can only give one invited talk.

Each invited session consists of either 4 presenters or 3 presenters and 1 discussant.

First check the following link for the proposal submission. Then,  submit the session

 information including session title, brief description, the speakers and the talk titles, etc.

 <https://china2023.icsa.org/session-submission-form/>

   Please submit your proposed session before December 15, 2022.

##

# **ICSA Springer Book Series in Statistics**

The editor of ICSA Springer book series in statistics, Dr. Din Chen, has reported that there are [24 books](https://www.springer.com/series/13402?detailsPage=titles) in the series now. Two new books were published in 2022 with detailed message below. If you plan to write books in the series, please contact Dr. Din Chen (Ding-Geng.Chen@asu.edu).

[**Emerging Topics in Modeling Interval-Censored Survival Data**](https://www.springer.com/book/9783031123658)

Editor: Jianguo Sun & Ding-Geng Chen

Copyright: 2022

Published: 05 November 2022

[**Advances and Innovations in Statistics and Data Science**](https://www.springer.com/book/9783031083280)

Editors: Wenqing He, Liqun Wang, Jiahua Chen & Chunfang Devon Lin

Copyright: 2022

Published: 15 October 2022

Refer to [this site](https://www.springer.com/new%2B%26%2Bforthcoming%2Btitles%2B%28default%29?SGWID=5-40356-404-653425-13402&originalID=176744253&sortOrder=pubdateSortdesc&searchType=BYSERIES&searchScope=editions&resultStart=11) for all other books’ information.

# **Sponsored and Co-Sponsored Journals**

## ICSA Sponsored Journals

### Statistics in Biosciences

The published new issue is Volume 14 Issue 2 in July 2022

[Statistics in Biosciences | Volume 14, issue 2 (springer.com)](https://link.springer.com/journal/12561/volumes-and-issues/14-2)

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>

#### Call for papers: Special Issue on Novel Statistical Approaches for Modeling Exposure Mixtures and Health Outcomes

Statistics in Biosciences invites submissions to the special issue of Statistics in Biosciences dedicated to statistical approaches for modeling exposure mixtures and health outcomes. Recent literature has seen an increased interest in modeling numerous exposures and their relations with various health outcomes. For example, cancer epidemiologists are often interested in human exposures to environmental pollutants and their associations with mortality and morbidity of lung cancer, and researchers in human reproduction are interested in how maternal metabolites are associated with neonatal anthropometries. Common challenges in these analyses include numerous potential exposures of interest, high degrees of correlation between some of these exposures, non-uniform data distributions, non-linear relationships between exposures and outcomes as well as complex interactions, and a prevalence of measurements below the limit of detections, among many others. New methods for exposure mixtures are being developed, yet more work is needed in comparing these methods from both a theoretical and applications perspective. Moreover, with ubiquitous availability of big exposure data and increased desire in understand biological mechanisms from exposures to diseases, new methodological developments are needed in many fronts of exposure mixtures modeling, including causal mediation analysis and sparse and scalable analytical procedures.

The special issue welcomes new methodological developments as well as interesting applications in modeling exposure mixtures. It also welcomes up-to-date reviews of current tools in this area. All submissions must contain original unpublished work not being considered for publication elsewhere. Submissions will be refereed according to the standard procedures for Statistics in Biosciences. The new deadline for submissions is December 31, 2022.

Papers for the special issue should be submitted using the journal’s submission system at <https://www.editorialmanager.com/sibs/default1.aspx>. In the system, please choose the special issue on Novel Statistical Approaches for Modeling Exposure Mixtures and Health Outcomes.

Co-Editors for the special issue:

Zhen Chen, Ph.D., National Institutes of Health. Email: zhen.chen@nih.gov

Paul S Albert, Ph.D., National Institutes of Health. Email: albertp@mail.nih.gov

#### Call for papers: Special Issue on Machine Learning in Biomedical Sciences

The last few years have seen a huge data collection increase in biological and biomedical research fields, such as biobanks, neuroimaging, spatial transcriptomics, single cell genomics, cancer genomics, and microbiomes. These biomedical data present numerous challenges and pitfalls.

 for machine learning methods due to the complexity of data structures, the high dimensionality of biomarkers, and the heterogeneity of data resources. Novel statistical machine learning methods are demanded to address those problems in the context of translating clinical data into knowledge and practice. To join the force to improve data collection, quality control, and analysis in a wide range of biomedical fields, we plan to publish in this special issue manuscripts on new statistical machine learning methods that target on emerging questions in biomedical data analyses, such as sampling bias, biomarker discovery, high-dimension data analysis, streaming and online data analysis, domain adaptation, dimensional reduction methods, data integration techniques, data privacy, missing data methods, predictive models, transfer learning, causal and mediation inference, and statistical diversity and generalizability.

The deadline for submissions is December 31, 2022.

Papers for the special issue should be submitted using the journal’s submission system at <https://www.editorialmanager.com/sibs/default1.aspx>. In the system, please choose the special issue on MachineLearning in Biomedical Sciences.

Co-Editors for the special issue:

Dhan Kong, Ph.D., University of Toronto. Email: dehan.kong@utoronto.ca

Bingxin Zhao, Ph.D., the University of Pennsylvania. Email: bxzhao@wharton.upenn.edu

#### Call for papers: Special Issue on Machine Learning Algorithms in Genomics and Genetics

Detailed information will come shortly. The deadline for submission is December 31, 2022.

Papers for the special issue should be submitted using the journal’s submission system at <https://www.editorialmanager.com/sibs/default1.aspx>. In the system, please choose the special issue on Machine Learning Algorithms in Genomics and Genetics.

Editor for the special issue:

Yingying Wei, Ph.D., Chinese University of Hong Kong. Email: ywei@cuhk.edu.hk

#### Call for papers: Special Issue on Statistical Methods, Algorithms and Applications in Biomedical Data Integration

Integrating multiple data sources has attracted wide interests as part of transition from data to knowledge with the potential to change the analytical scheme of modern biomedical research. In recent years, research initiatives have been created to leverage large-scale observational

 databases from multiple scientific disciplines and technologies, which present many significant methodological and computational challenges to traditional statistical methods and algorithms. Most notably, data collected from observational studies are leveraged for modern biomedical research to enrich study populations and improve controlling confounding factors. Despite infrastructure advancements, methodological and algorithmic challenges remain the barriers for data integration. Common analytical concerns in data integration include data storage and communication restrictions, statistical efficiency, protection of data privacy and against adversarial attacks, data harmonization over different formats, handling of missing data, heterogeneity across data sources, and external validity, among many others. Some new methods, algorithms and applications for data integration are being developed, but much remains unknown in terms of how well they perform or how they compare with conventional approaches. Moreover, with the ubiquitous availability of multi-source data and the increased desire to conduct research with massive data, new methodological and algorithmic developments are needed on many fronts of data integration, including uncertainty quantification, causal inference, and sparse and scalable analytical procedures.

The deadline for submissions is August 31, 2023.

Papers for the special issue should be submitted using the journal’s submission system at <https://www.editorialmanager.com/sibs/default1.aspx>. In the system, please choose the special issue on Statistical Methods, Algorithms and Applications in Biomedical Data Integration.

Co-Editors for the special issue:

Peter X.K. Song, Ph.D., the University of Michigan. Email: xsong@umich.edu

Lu Tang, Ph.D., University of Pittsburgh. Email: lutang@pitt.edu

## ICSA Co-sponsored Journal

### Statistica Sinica

Statistica Sinica is co-sponsored by 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/](https://u2058087.ct.sendgrid.net/wf/click?upn=gOTWIdkfgBFXFdQmgJw0Ey2sMNY3d-2FpvDvmXYvNli7pezP6vhNXVBu1bd5eyyIAyohA6N7cKMP74MGNhyNilCIgMEP4SA2it1PDk8O97GBCwY8Hp5baQSGIfN8VZh8OYSVc43SwByuR-2BYJpgC9gfbTMcdgJ-2FhhdMHV1C7HDoreQRfHHZVcEW7wky32khTh62St6-2FrHS5MXJziHrEPGKBG9WeIvBZolnVvPFMEd3S80kEGkN2-2FM-2FVNcWkhmEW8doXZIGKrLhp4B34GCGl0WOz1umZGYnIFNgJJbsKOEyl91G6ezkWDTDbGwSggNNrpyCncGpVSC20qRvVxEIrwRXW9Ma9pvoEEBQQgv1Dv-2Bibwpp4xtyXTrA2tzHN5PRNTUuAc7ZLcwanhIIlY0fytAFcflSuN12A9tmdooaYLt4dsPYK-2BSI5F2scfo2cxL3-2BePYjZdhA75gK2tv5tGY1pBPdYtw-2FQTpC-2FJtLTW2GIPDREf9gL-2B-2Ff9KCJ5ADKBva6eEJFMlfRa8LhzVHPKi61FNCiyn1PU-2BMljivFtT4iHdSYio8-3D_TBC5mkzPWohEz469hY801C7cN7BhyO5QMcncriRYgj3azUXGUZxMirmnsJpdE89HbDLkfAvqXNNNB5xjk56zGc2-2FwImA17s-2B9E3R2Md-2FxG5eM-2FOK0a2IzNAGinACAD3vojch9fIgi5h9cHQ31JELsSYIVZzcF30hCCfzxmMkOw8BetwTYXu2BwZkGMbGWoLxq-2FJFbMVMjLzZHfVPlnJhV83qbMHXYl9qanOefdkAB3k-3D).The new issue ([Volume 32, Number 4, 2022](http://www3.stat.sinica.edu.tw/statistica/)) is published.

ICSA members have access to these articles via the "membership only area" at [http://www.icsa.org](https://u2058087.ct.sendgrid.net/wf/click?upn=gOTWIdkfgBFXFdQmgJw0Ey2sMNY3d-2FpvDvmXYvNli7pezP6vhNXVBu1bd5eyyIAyohA6N7cKMP74MGNhyNilCCwWZ2fnMGjltXOXr7zuHsTKI-2BpR70IvKPR4KrKy4WB9yeLf6BAKbUl2N64V44NQw1n-2BVa5QfPEJDPyUJ6S7MwAmxv2vTTluLIpLD2YrAHKYBF-2BkMOcf-2FA428El075js98p44K0IPjllkvO7T-2BX8SO-2B76OGmeyRd3twXsFTAIECjkcH1ECNDNDrNzTJQQqF61BKV4TUQNzvY1vknm8hviBc0GN0rRkdhrZMSAuameV9bwTOwS1zRZFutGs9tesHB338gU9-2FfYrRlq97rwSaRKA2CXgugt5WiOU2tcrmDmbj1nZaUFSndKVQEEPCVq1sGWSG1w6q1hDZ5Ki6gS8c48KB-2Bc3zpqIaLcUSl-2F9MOOxBwMBIn3Bt7EEBQqi6CI6K2bvhyNDqUv4OySuyjdsbx40c-3D_TBC5mkzPWohEz469hY801C7cN7BhyO5QMcncriRYgj3azUXGUZxMirmnsJpdE89HbDLkfAvqXNNNB5xjk56zGc-2FTp2UwaLkFNfwzYf01-2FNFzAXHjFCQDvWMIRFlrwPGYe4tq9GwsOb-2FnZx1DNB-2FhMq8RYsx-2FglYCXFCzDCdWv4EYh3Q4Tufdj4muYDCyWJnaGNUrshWkukc-2BD4uaYuWLnPyBG8jp1CBxHvrVK3im6-2B4-3D).If you have any problems with subscription, please contact the editorial office throughss@stat.sinica.edu.tw.

### Statistics and Its Interface (SII)

Visit SII's web page at <http://intlpress.com/site/pub/pages/journals/items/sii/_home/_main/> for more information on the most recent issue ([Volume 16 (2023), Number 1](https://www.intlpress.com/site/pub/pages/journals/items/sii/content/_home/index.php)) and call for special issues.

# **Upcoming ICSA Meetings**

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. Mengling Liu, the ICSA Executive Director

**(**executive.director@icsa.org).

All upcoming conferences are listed under highlights section.

# **Upcoming Co-Sponsored Meetings**

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. Mengling Liu, the ICSA Executive Director (executive.director@icsa.org).

## The 8th Workshop on Biostatistics and Bioinformatics (Postponed to Spring, 2023)

Biostatistics and Bioinformatics have been playing key and important roles in statistics and other scientific research fields in recent years. The goal of the 8th workshop is to stimulate research and to foster the interaction of researchers in Biostatistics & Bioinformatics research areas. The workshop will provide the opportunity for faculty and graduate students to meet the top researchers, identify important directions for future research, facilitate research collaborations. The workshop will be held at Atlanta, GA.

A keynote speaker is Dr. Nilanjan Chatterjee, Bloomberg Distinguished Professor of Biostatistics and Medicine at the Johns Hopkins University.

For detailed information including registration, please refer to <https://math.gsu.edu/yichuan/2022Workshop/>

Please contact Dr.  Yichuan Zhao (yichuan@gsu.edu) for more information.

## IMS Asia Pacific Rim Meeting (Postponed to January 2024)

The sixth meeting of the Institute of Mathematical Statistics Asia Pacific Rim Meeting (IMS-APRM) will provide an excellent worldwide forum for scientific communications and collaborations for researchers in Asia and the Pacific Rim, and promote collaborations between researchers in this area and other parts of the world. The meeting will be held in Melbourne, Australia and please see <http://ims-aprm2021.com/> for details. Firm dates will be announced later.

# **Online Training and Seminars**

## 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 episode links:

* [**Risks and Opportunities of AI in Clinical Drug Development**](https://www.youtube.com/watch?v=PrnKOLGYM2U) with David Madigan and Demissie Alemayehu
* [**Kidney Injury - Biomarkers for Prediction and Prognosis**](https://www.youtube.com/watch?v=87h8d1fhLaE) with Allison Meisner
* [**NHS Digital Health Initiatives**](https://www.youtube.com/watch?v=-Ol87o_CLqk) with Emma Hughes
* [**Data Platforms to Monitor Animal Health**](https://www.youtube.com/watch?v=8uPu-vHahdc) with Shane Burns
* **Bayesian Approaches in Medical Devices**: [**Part 1**](https://www.youtube.com/watch?v=bzso7ou4lAA),[**Part 2**](https://www.youtube.com/watch?v=hmNLnonl8_s),[**Part 3**](https://www.youtube.com/watch?v=VckRF8Ryszw) with Martin Ho and Greg Maislin

You can catch up on all episodes on our YouTube playlists for[**Season 0**](https://www.youtube.com/watch?v=jjmPhEs8yQ8&list=PL39DE7gPXqsffssSVFixw-3ohGrjfDAPG) and[**Season 1**](https://www.youtube.com/watch?v=kQsnOumGP6o&list=PL39DE7gPXqsdNm-F0eDhz0TOystmYIeLt).

**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)

**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>.

# **Job Listings**

## Research Assistant Professor in Applied Statistics and Financial Mathematics / Engineering and Computational Mathematics / Applied Optimization and Operations Research / Data Science and Analytics (three posts) (Ref. 220907002) at the Hong Kong Polytechnic University

The Hong Kong Polytechnic University is a government-funded tertiary institution in Hong Kong. It offers programmes at various levels including Doctorate, Master’s and Bachelor’s degrees. It has a full-time academic staff strength of around 1,200. The total annual consolidated expenditure budget of the University is in excess of HK$7.6 billion.

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 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 Decision Science, Actuarial and Investment Science, Operational Research and Risk Analysis, and Data Science and Analytics. 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 52 academic staff and about 61 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/her delegates.

**Qualifications**

Applicants should:

(a) have a doctoral 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) have demonstrated promise of a high level of creativity in research and teaching in some subdivisions of his/her field;

(c) be able to demonstrate effective classroom teaching; and

(d) 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 three years initially, with possibility of extension for another three years.

**Application**

Please submit an application through PolyU’s career website (<https://jobs.polyu.edu.hk/rap>). **Consideration of applications will commence on 28 September 2022 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/>.

To apply for this job please visit [jobs.polyu.edu.hk](https://jobs.polyu.edu.hk/rap).

## Tenure-Track Positions at the Institute of Statistical Science of Academia Sinica

The Institute of Statistical Science of Academia Sinica is pleased to invite applications for our tenure-track faculty positions. Academia Sinica, the most preeminent academic research institution in Taiwan, offers a secured research environment facilitated with rich collaboration opportunities as well as the freedom of conducting independent research. With a strong tradition of theoretical and interdisciplinary research, the Institute of Statistical Science is aiming for global excellence in mathematical statistics and various statistical applications.

Applications are invited for tenure-track appointments as Full/Associate/ Assistant Research Fellows (equivalent to Full/Associate/Assistant Professors in Universities) at the Institute of Statistical Science to commence on August 1, 2023 or as soon as possible thereafter. Applicants should possess a Ph.D. degree in Statistics, Biostatistics, Computer Science, Data Science or related areas, and should submit: (1) a cover letter, (2) an up-to-date curriculum vita, (3) a detailed publication list, (4) a research proposal, (5) three letters of recommendation, (6) representative publications and/or technical reports and (7) advisers’ names of master and PhD degrees. Additional supporting materials such as transcripts for new Ph.D. degree recipients may also be included. Electronic submissions are encouraged. Applications should be submitted to

Dr. Hsin-Chou Yang

Chair of the Search Committee Institute of Statistical Science, Academia Sinica

128 Sec. 2 Academia Road, Taipei 11529, Taiwan, R.O.C. Fax: +886-2-27886833

E-mail: [recruit@stat.sinica.edu.tw](file:///C%3A%5CUsers%5CZhezhen%5CAppData%5CLocal%5CMicrosoft%5CWindows%5CINetCache%5CContent.Outlook%5CCLI28JVV%5Crecruit%40stat.sinica.edu.tw)

Application materials should be received by **December 16, 2022** for consideration, but early submissions are encouraged.

## Research Assistant Professor in Applied Statistics and Financial Mathematics / Engineering and Computational Mathematics / Applied Optimization and Operations Research / Data Science and Analytics (two posts) (Ref. 220707011) at The Hong Kong Polytechnic University

**THE HONG KONG POLYTECHNIC UNIVERSITY**

The Hong Kong Polytechnic University is a government-funded tertiary institution in Hong Kong. It offers programmes at various levels including Doctorate, Master’s and Bachelor’s degrees. It has a full-time academic staff strength of around 1,200. The total annual consolidated expenditure budget of the University is in excess of HK$7.6 billion.

**DEPARTMENT OF APPLIED MATHEMATICS**

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 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 Decision Science, Actuarial and Investment Science, Operational Research and Risk Analysis, and Data Science and Analytics. 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 51 academic staff and about 36 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/her delegates.

**Qualifications**

Applicants should:

(a) have a doctoral 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) have demonstrated promise of a high level of creativity in research and teaching in some subdivisions of his/her field;

(c) be able to demonstrate effective classroom teaching; and

(d) 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 three years initially, with possibility of extension for another three years.

**Application**

Please submit an application through PolyU’s career website (<https://jobs.polyu.edu.hk/rap>). **Consideration of applications will commence on 28 July 2022 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/>.

## ****Assistant Professor in Applied Statistics and Financial Mathematics / Engineering and Computational Mathematics / Applied Optimization and Operations Research / Data Science and Analytics (three posts)**** (Ref. 220707010) at The Hong Kong Polytechnic University

 **THE HONG KONG POLYTECHNIC UNIVERSITY**

The Hong Kong Polytechnic University is a government-funded tertiary institution in Hong Kong. It offers programmes at various levels including Doctorate, Master’s and Bachelor’s degrees. It has a full-time academic staff strength of around 1,200. The total annual consolidated expenditure budget of the University is in excess of HK$7.6 billion.

**DEPARTMENT OF APPLIED MATHEMATICS**

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 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 Decision Science, Actuarial and Investment Science, Operational Research and Risk Analysis, and Data Science and Analytics. Members of the Department have expertise in applied optimization and optimal control, engineering computation, operational research, management science, applied statistics, FinTech, data science and machine learning. There are currently 51 academic staff and about 36 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) 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/her delegates.

**Qualifications**

Applicants should have:

(a) have a doctoral degree in Mathematics / Statistics / Financial Mathematics / Operations Research / Computational Mathematics / Applied Mathematics or a closely related field;

(b) have expertise in applied statistics, operation research and 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 28 July 2022 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/>.

## Assistant Professor, Associate Professor, and Full Professor at National Sun Yat-sen University, Kaohsiung, Taiwan

The Department of Applied Mathematics at National Sun Yat-sen University invites applications for full-time faculty positions (subject to the University approval) beginning February 1, 2023. Recent PhDs with exceptional potential at the rank of assistant professor and/or internationally well-established senior candidates at the rank of associate or full professor will be considered. All areas of mathematics, applied mathematics, scientific computing and statistics, plus specialties in data science and AI will be considered. A successful candidate should have a relevant Ph.D., plus a strong research record and excellence in teaching. He/She should be able to teach in English. Applicants please send, by September 30th 2022, a cover letter of application, curriculum vitae, transcripts, research statement, three recommendation letters and（up to three）representative reprints to

Chairperson

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

Email: head@math.nsysu.edu.tw

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

Website: <http://www.math.nsysu.edu.tw>

We also welcome applications from scholars with foreign nationalities and English proficiency

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