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# **Highlights**

## ICSA Bulletin July 2021

The most recent ICSA bulletin is available on line: [ICSA\_Bulletin\_July\_2021.pdf](https://www.icsa.org/wp-content/uploads/2021/08/ICSA_Bulletin_July_2021.pdf) with the following contents:

An Interview with Naitee Ting

In Memory of Dr. Kai Fun Yu (1950-2021)

Role of Biostatistics in the Big Data World of Modern biomedical Research

ICSA Symposium Panelists Offer Leadership Advice

XL-Files: Time Travel and Dark Data

Yi’s FDA Story: When Statistics Met Regulation 1995

2021 ICSA Awards

## ICSA 2021 Applied Statistics Symposium (September 12-15, 2021)

The ICSA Applied Statistics Symposium will be held virtually from Sunday, September 12, to Wednesday, September 15, 2021. The theme of this year’s conference is **Leading with Statistics and Innovation**. We hope that this meeting will attract statisticians working in academia, government, and industry; domestic and international statisticians. The 2021 symposium will offer short courses, invited sessions and poster presentations, as well as opportunities for networking and recruiting. Registration is open. Please click [this link](https://symposium2021.icsa.org/registration/register/) for registration.

Please send any inquiry to Dr. Guoqing Diao ([gdiao@gwu.edu](mailto:gdiao@gwu.edu)). Please visit <https://symposium2021.icsa.org>/ for details, including the key dates.

**Executive Committee**

* + - * Executive Committee Chair: Guoqing Diao (George Washington University)
      * Scientific Program Chairs: Judy Wang and Qing Pan (George Washington University)
      * Poster Session Committee Chair: Fang Jin
      * Program Book and Website Committee Chair: Scott Bruce (George Mason University)
      * Local Committee Chair: Zhen Chen (National Institutes of Health)
      * Treasurer: Xin He (University of Maryland, College Park)
      * Student Paper Competition Committee Chair: Lu Mao (University of Wisconsin, Madison)
      * Short Course Committee Chair: Yan Ma (George Washington University)
      * Fund Raising Committee Chair: Li Wang (Abbvie)
      * Strategic Advisors: Hulin Wu (University of Texas Health Science Center at Houston) and Aiyi Liu (National Institutes of Health)

Dr. Guoqing Diao at The George Washington University (gdiao@gwu.edu) chairs the Organization Committee.

## 12th ICSA International Conference (December 18 – 20, 2022)

The 12th ICSA International Conference will be held at the Chinese University of Hong Kong, Hong Kong, from December 18 to December 20, 2022. For information, please contact Scientific Program Committee Chair Professor (Tony) Jianguo Sun at [sunj@missouri.edu](mailto:sunj@missouri.edu) or Co-Chair Professor Xingqiu Zhao at Xingqiu.Zhao@polyu.edu.hk.

**Call for Invited Session Proposals**

The conference scientific program committee welcomes invited session proposals. An invited session consists of either 4 presenters or 3 presenters plus 1 discussant. The one-talk rule will be applied (i.e., each speaker can only give one invited talk). It is required to confirm all speakers’ availability before the proposal submission.  Please send your proposal to the Chair or Co-Chair mentioned above **before September 19, 2021**. The acceptance of invited sessions will be determined by **December 1, 2021**.  In order to secure the invited session slot, the presenters will be required to register to the conference and submit the abstracts online by a deadline to be given later.

**ICSA Springer Book Series in Statistics**

The editor of ICSA Springer book series in statistics, Dr. Din Chen, has reported that there are [22 books](https://www.springer.com/series/13402?detailsPage=titles) in the series now. If you plan to write books in the series, please contact Dr. Din Chen ([dinchen@email.unc.edu](mailto:dinchen@email.unc.edu)). The following 2 books were published in 2020:

1. Sampling Theory and Practice. (Editors: C. Wu, M.E. Thompson)
2. Statistical Methods for Global Health and Epidemiology. (Editors: X. Chen, D-G. Chen)

The following 2 books were published in 2019:

1. Contemporary Biostatistics with Biopharmaceutical Applications. (Editors: L. Zhang, D.D.-G. Chen, H. Jiang, G. Li, H. Quan)
2. Statistical Quality Technologies (Editors: Y., Lio, H.K.T., Ng, T.-R. Tsai, D-G. Chen)

Refer to [this site](https://www.springer.com/new+&+forthcoming+titles+(default)?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

### Statistica Sinica

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 31, Number 3, 2021](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 through[ss@stat.sinica.edu.tw](mailto:ss@stat.sinica.edu.tw).

### Statistics in Biosciences

The published new issue is Volume 13 Issue 2 in July 2021

[Statistics in Biosciences | Volume 13, issue 2 (springer.com)](https://link.springer.com/journal/12561/volumes-and-issues/13-2)

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>

## ICSA Co-sponsored Journal

### Statistics and Its Interface (SII)

Statistics and Its Interface is an international statistical journal promoting the interface between statistics and other disciplines including, but not limited to, biomedical science, geosciences, computer sciences, engineering, and social and behavioral sciences. The journal publishes high-quality articles in broad areas of statistical science, emphasizing substantive problems, sound statistical models and methods, clear and efficient computational algorithms, and insightful discussions of the motivating problems. 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 15 (2022), Number](https://www.intlpress.com/site/pub/pages/journals/items/sii/content/_home/index.php) 1).

International Press and Tsinghua University Mathematical Science Center are pleased to announce open online access (free of charge) to the journal Statistics and Its Interface (SII) which includes thirteen volumes.

**Call for Papers: Special Issue on Statistical Learning of Tensor Data**

Statistics and Its Interface (SII) invites submissions for a **special issue on statistical learning of tensor data**. Tensor, or multidimensional array, is arising in a wide range of scientific and business applications. Research on learning of tensor data has been rapidly expanding during the last few decades, extending to modern datasets such as medical images, social network, and personalized recommendation systems, and widely used in many fields including medicine, biology, public health, engineering, finance, economics, sports analytics, and environmental sciences. The rapid developments also lead to many challenges in estimation, inference, prediction, and computation in learning of tensor data. SII promotes interface between statistical theory, methodology and applications. Thus, we strongly encourage innovative theory, methodology and novel applications in statistical learning of tensor data. The review papers related with statistical learning of tensor data are also welcomed. Your papers, once accepted, will be published together in a special issue of SII.

The submission deadline for the special issue is **October 1, 2022**. All submissions must be online through the website <http://www.e-publications.org/ip/sbs/index.php/index/login>. Please state that your submissions are “For the Special Issue on statistical learning of tensor data” in the Box of Comments to the editors. The submissions will go through regular review process. As the editors for this special issue, we will handle the peer review timely and carefully.

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

* Guanyu Hu (Co-Guest Editor), University of Missouri
* HaiYing Wang (Co-Guest Editor), University of Connecticut
* Jing Wu (Co-Guest Editor), University of Rhode Island
* Anru Zhang (Co-Guest Editor), Duke University
* Ming-Hui Chen (Co-Editor-in-Chief), University of Connecticut
* Yuedong Wang (Co-Editor-in-Chief), University of California, Santa Barbara

# **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](mailto:executive.director@icsa.org)).

## ICSA 2021 Applied Statistics Symposium (September 12 - 15, 2021)

The 2021 ICSA Applied Statistics Symposium will be held virtually on September 12-15, 2021. For detailed information, please click [this link](https://symposium2021.icsa.org/).

## ICSA 2022 Applied Statistics Symposium (June 19-22, 2022)

The ICSA 2022 Applied Statistics Symposium will be held at University of Florida, Gainesville, FL on June 19 - 22, 2022. The theme of the symposium is **Statistical Innovation in the Era of Artificial Intelligence and Data Science.** Keynote speakers are Drs. Susan Murphy (Harvard), David Siegmund (Stanford), and Jianqing Fan (Princeton). For information, please contact the Chair of Organizing committee, Professor Samuel Wu ([samwu@biostat.ufl.edu](mailto:samwu@biostat.ufl.edu)).

## 

## ICSA 2021 China Conference Postponed to 2022

The ICSA 2021 China Conference is postponed to 2022 and will be held at Xi'an University of Finance and Economics, Xian, China.

## 

## ICSA 2022 China Conference (July 1 - 4, 2022)

The ICSA 2022 China Conference will be held at Xi'an University of Finance and Economics, Xian, China, and the date will be announced later. For information, please contact Scientific Program Committee Co-Chairs Professor Yingying Fan at [fanyingy@marshall.usc.edu](mailto:fanyingy@marshall.usc.edu) and Professor Chunjie Wang at wangchunjie@ccut.edu.cn.

## ICSA 2023 China Conference

The ICSA 2023 China Conference will be held at Chengdu, co-sponsored by Southwest Jiaotong University (SWJTU).

## 12th ICSA International Conference (December 18 – 20, 2022)

The 12th ICSA International Conference will be held at the Chinese University of Hong Kong, Hong Kong, from December 18 to December 20, 2022. For information, please contact Scientific Program Committee Chair Professor (Tony) Jianguo Sun at [sunj@missouri.edu](mailto:sunj@missouri.edu) or Co-Chair Professor Xingqiu Zhao at Xingqiu.Zhao@polyu.edu.hk.

**Call for Invited Session Proposals**

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# **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](mailto:executive.director@icsa.org)).

## 77th Annual Deming Conference on Applied Statistics (December 6 – 8, 2021)

The 77th Annual Deming Conference on Applied Statistics will be held from Monday Dec. 6 to Wednesday Dec. 8, 2021, followed by two parallel 2-day short courses on Thursday Dec. 9 and Friday Dec. 10 at the state-of-the-art Tropicana Casino and Resort, Havana Tower, Atlantic City, NJ.

The purpose of the 3-day Deming Conference on Applied Statistics is to provide a learning experience on recent developments in statistical methodologies in biopharmaceutical applications. The conference is composed of twelve three-hour tutorials on current topics in applied biopharmaceutical statistic and FDA regulations, and a one-hour distinguished keynote speaker on each of the 3 days of the conference. The books, on which these sessions are based, are available for sale at an approximately 40% discount. Attendees will receive hard copy program proceedings of the presentations.

There will be poster sessions. Early registrants who submit a poster presentation will receive a $150 discount. For poster submission, please contact “Deming Poster Chair”: Dr. Pinggao Zhang at email: [pinggao.zhang@takeda.com](mailto:pinggao.zhang@takeda.com).

There will be student scholar presentations. For a student scholar application, please contact “Deming Scholar Chair”: Dr. Sofia Paul at email: [sofia.x.paul@gsk.com](mailto:sofia.x.paul@gsk.com).

The conference is sponsored by the American Statistical Association Biopharmaceutical Section and the International Chinese Statistical Association. Walter Young has chaired this conference for 52 consecutive years. The program committee include: Alfred Balch, Joseph Borden, Ivan Chan, (Din) Ding-Geng Chen, Kalyan Ghosh, Satish Laroia, Sofia Paul, Manoj Patel, Naitee Ting, Bill Wang, Wenjin Wang, Yibin Wang, Li-an Xu, Walter Young and Pinggao Zhang.

Registration is expected to open by mid-August and one page program should be available by that time. For more information about the conference, please visit <https://demingconference.org/> or email Din Chen, Deming Publicity Chair, at [din@demingconference.org](mailto:din@demingconference.org).

## The 8th Workshop on Biostatistics and Bioinformatics (Postponed to Spring, 2022)

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/>

## IMS Asia Pacific Rim Meeting (Postponed to January, 2023)

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 at a later date.

# **Online Training and Seminars**

## ICSA Online Training

Online training serves as a viable alternative to traditional continuing education options, e.g., to short courses offered at biostatistical conferences. Over the past year, the ASA Biopharmaceutical Section has been working on creating an online training program aimed at clinical trial statisticians and set up a pilot program, which includes half-day and full-day courses on key topics in biopharmaceutical statistics:

Analysis of Longitudinal and Incomplete Data

Multiplicity Issues in Clinical Trials

Analysis of Surrogate Endpoints in Clinical Trials

The section has received much positive feedback from industry and academic statisticians. Clinical trial statisticians who took advantage of the online training program emphasized that this program is convenient, inexpensive and quite flexible.

A similar online training program has been set up for ICSA members. As a member of the ICSA, you will receive a 50% discount when you sign up for any course included in the program. The online training courses are based on professionally recorded videos using a format similar to that used in YouTube videos. The videos can be accessed 24/7 on a computer or even on a smartphone. The cost of online training is low compared to traditional training, and it can be further reduced by using a group-training format. Up to 25 people can view an online training course with a single registration, which lowers the cost of online training to about $20-25 per person for full-day courses and $10-15 per person for half-day courses.

For more information about the online training program and to sign up for the individual online courses, please visit this web page:

<http://sprmm.com/icsa/>

## 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 (three posts) (Ref. 21080613)

**Department of Applied Mathematics**

**The Hong Kong Polytechnic University**

The Department of Applied Mathematics (AMA) is part of the Faculty of Applied Science and Textiles. The Department offers undergraduate programmes in Investment Science and Finance Analytics, and Data Science and Analytics, 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 and Actuarial Science, and Operational Research and Risk Analysis. Members of the Department have expertise in applied optimization and optimal control, engineering computation, operational research, management science and applied statistics. There are currently 39 academic staff and about 70 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 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;  
(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.

**Remuneration and 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. Applicants should state their current and expected salary in the application.

**Application**

Please send a completed application form by post, providing the names and addresses of three referees, to **Human Resources Office, 13/F, Li Ka Shing Tower, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong** or via email to [hrstaff@polyu.edu.hk](mailto:hrstaff@polyu.edu.hk). Application forms can be downloaded from <http://www.polyu.edu.hk/hro/job/en/guide_forms/forms.php>. If a separate curriculum vitae is to be provided, please still complete the application form which will help speed up the recruitment process. **Consideration of applications will commence on 27 August 2021 until the positions are filled.** The University’s Personal Information Collection Statement for recruitment can be found at <http://www.polyu.edu.hk/hro/job/en/guide_forms/pics.php>.

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.

# **Electronic ICSA News Access**

Please visit <https://www.icsa.org/publications/icsa-member-newsletter-archive/> for all ICSA member news online.

