AWARDS BROCHURE:
2020 – 2021
ISI AND ASSOCIATIONS
2020 -2021
ISI AND ASSOCIATIONS AWARDS 2020 – 2021

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- ISI Mahalanobis International Award in Statistics
- The Founders of Statistics Prize for Contemporary Research Contributions
- ISI Jan Tinbergen Awards
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- 2020 – 2021 ISI Newly Elected Members
The ISI World Statistics Congress (WSC) is a prominent statistical event with international reach. Statisticians and data scientists from academia, official statistics, public sector and business, junior and senior professionals will meet on our virtual platform to learn about the latest developments in statistical research and practice in an informal environment.

The 63rd ISI WSC 2021 is being shaped into a comprehensive virtual event, making use of the chances that the virtual format offers while keeping a high standard of scientific content. The ISI and its seven Associations, namely Bernoulli Society (BS), International Association for Official Statistics (IAOS), International Association for Statistical Computing (IASC), International Association for Statistical Education (IASE), International Association of Survey Statisticians (IASS), International Society for Business and Industrial Statistics (ISBIS) and The International Environmetrics Society (TIES) guarantee high quality sessions/papers and deliver the most inclusive and accessible WSC ever.

This is an occasion to share the outstanding work and achievements of statisticians across the statistical world. The diversity of awards and prizes reflects the scale and reach of Statistics and the ISI mission to lead, support and promote the understanding, development and good practice of Statistics worldwide, by providing the core global network for Statistics. The efforts made by these statisticians are truly inspiring and I hope they will provide guidance and encouragement to all.

Some awards are presented over the two years between WSC’s, during the many Association conferences or events. Others will be presented during the WSC, either at the Awards Ceremony or during special events. Bringing them together in this Awards Brochure is an occasion for collective celebration.

The WSC is proud to again celebrate the International Prize in Statistics (IPS), awarded by the IPS Foundation. The Statistics’ equivalent for Statistics of the Nobel Prize is awarded to Nan Laird, Harvey V. Fineberg Professor of Biostatistics (Emerita) at Harvard T.H. Chan School of Public Health. The awarding of the International Prize in Statistics to Nan Laird recognizes a statistician who contributed methods that reflect a fundamental shift in statistical practice and has enriched the analysis of data collected over time in a host of scientific disciplines.

The Mahalanobis International Award in Statistics, in recognition for lifetime achievements in statistics in a developing country or region, is sponsored by the Government of India. The ISI Founders of Statistics Prize, sponsored by Elsevier, recognises a research contribution, published within the past three decades, that has had profound influence in Statistics.

The full portfolio of awards demonstrates the importance that the ISI family attaches to the recognition and encouragement of early career achievers, from the Jan Tinbergen Awards to the ISI-International Biometric Society Young Ambassadors, the ISI-Esri competition and the ISLP’s Poster Competition.

Included in this brochure is the list of ISI members newly elected from 2020 – 2021.

The ISI and Associations warmly thank all partners and sponsors for their patronage to recognize, support and promote statistical achievements worldwide.

We also express our gratitude to the members of the ISI and Associations who participated in the various selection and awards committees for their outstanding work.

On behalf of the whole ISI family, we congratulate all the winners and awardees for their achievements and wish them every success for the future.

Introduction: https://youtu.be/zelVzoyA3Gg

Fabrizio Ruggeri
Vice-President, ISI Awards Committee Chair

John Bailer
President
INTERNATIONAL PRIZE IN STATISTICS

International Prize in Statistics is considered the highest honor in its field, like the acclaimed Fields Medal, Abel Prize, Turing Award and Nobel Prize. It recognizes a major achievement of an individual or team in the field of statistics and promotes understanding of the growing importance and diverse ways statistics, data analysis, probability and the understanding of uncertainty advance society, science, technology and human welfare. The International Prize in Statistics is awarded every other year by a collaboration among five leading international statistics organizations, the American Statistical Association, International Biometric Society, Institute of Mathematical Statistics, International Statistical Institute and Royal Statistical Society. The prize recognizes a major achievement by an individual or team in the statistics field, particularly an achievement of powerful and original ideas that has led to practical applications and breakthroughs in other disciplines.

Recipients are chosen from a selection committee comprised of world-renowned academicians and researchers and officially presented with the award at the World Statistics Congress.

The 2021 International Prize in Statistics has been awarded to Nan Laird

Nan Laird, Harvey V. Fineberg Professor of Biostatistics (Emerita) at Harvard T.H. Chan School of Public Health, in recognition of her work on powerful methods that have made possible the analysis of complex longitudinal studies.

Studying the impact of air pollution on human health required the collection of data on people over time. Existing analysis methods in the late 1970s/early 1980s for such data required many assumptions that often were not true for longitudinal data. Nan Laird proposed a framework and implementation to loosen these analytical constraints and revolutionized the analysis of data collected over time on individuals. The awarding of the International Prize in Statistics to Nan Laird recognizes a statistician who contributed methods that reflect a fundamental shift in statistical practice and has enriched the analysis of data collected over time in a host of scientific disciplines.
The Mahalanobis International Award is sponsored by the Ministry of Statistics and Programme Implementation of the Government of India. The award recognizes an individual for lifetime achievements in statistics in developing country or region. It is expected that the award will have the potential to attract, inspire and motivate statisticians across the developing world to increase the quantity and improve the quality of their contributions to the cause of promotion and development of statistics and its applications. The award is presented biennially during the ISI World Statistics Congress.

Professor P.C. Mahalanobis

(1893-1972) was a highly distinguished statistician who made extensive contributions to methodology, applications, statistical development, and public policy. He founded the Indian Statistical Institute and served as an advisor to the Government of India.

2021 ISI Mahalanobis Award Winner: Heleno Bolfarine

Heleno Bolfarine, Full Professor at the Institute of Mathematics and Statistics at the University of São Paulo, Brazil, is the recipient of the 2021 ISI Mahalanobis International Award. Unfortunately Professor Bolfarine passed away on 26 June 2021. The 2021 Mahalanobis Award ceremony at the WSC in July will honor the work and life of Prof. Bolfarine. Professor Heleno Bolfarine received the Mahalanobis International Award 2021 for his outstanding research contributions and academic leadership, his lifelong and outstanding performance in capacity building through teaching and mentoring several generations of statisticians in South America, and for his leadership and promotion of statistics and the statistics profession both at a national and an international level, with special emphasis on South America.
THE FOUNDERS OF STATISTICS PRIZE FOR CONTEMPORARY RESEARCH CONTRIBUTIONS

The Founders of Statistics Prize for Contemporary Research Contributions is given in honor of the Founders of Statistics. It recognizes a research contribution that has had profound influence on statistical theory, methodology, practice, or applications.

The contribution must be a research article or book published within the last three decades. The prize is given biennially, at the ISI World Statistics Congress (WSC). It comprises a cash award of 5,000 euros, and the winner presents the Founders of Statistics Prize Lecture at the WSC. The WSC 2021 will be a virtual congress and no travel support will therefore be provided. Complimentary registration fee is part of the prize.

The ISI is grateful to Elsevier Publishers for sponsoring the prize.

2021 Founders of Statistics Prize Recipient is Robert Tibshirani


The Lasso paper (Tibshirani, 1996) has had 37,360 citations as of late January 2021 indicating its wide influence across statistics, data science, computer science and broadly in Science, Business and Economics. As we are faced with large and more complex data sets, the Lasso will continue to provide the basic underpinning for developments to handle such data. One reason for the paper’s impact is the clarity with which the paper is written with thorough and clear explanations of the method both analytically and geometrically. In statistics, biostatistics and machine learning, the Lasso (least absolute shrinkage and selection operator) is a regression analysis method that performs both variable selection and regularization in order to enhance the prediction accuracy and interpretability of the resulting statistical model. The Lasso is really the cornerstone of many modern methods of statistics and data science.
ISI JAN TINBERGEN AWARDS

The Jan Tinbergen Awards, named after the famous Dutch econometrician, are for best papers by young statisticians in addressing statistical problems of real relevance in building statistical capacity in countries with limited statistical infrastructure. The Awards are sponsored by the Dutch Stichting Internationaal Statistisch Studiefonds (International Statistical Study Fund Foundation). There are two divisions, with one award in each division for each WSC. Each winner receives a monetary prize and is invited to present his or her paper at the ISI World Statistics Congress.

The competition is split in two divisions. Papers in Division A are to address an applied statistical problem of real interest in countries with a limited statistical infrastructure (developing countries). Papers in Division B may be on any topic that directly addresses the development and improvement of statistical systems in countries with limited statistical infrastructure (developing countries).

DIVISION A: GENERAL

Papers in Division A are to address an applied statistical problem of real interest in countries with a limited statistical infrastructure (developing countries). Such problems could relate to an economic, social or political development relevant to a developing country or region. The main criteria are statistical and/or data quality, innovation and quality of exposition and communication. The paper can make contributions in one or more of the following areas: generation of new methodological development, meeting the challenge of gathering reliable data in developing regions, and innovative application of statistical methods to a significant problem in order to benefit a developing country or region. Such problems could arise in any of the sciences, engineering, economics, health, agriculture or business areas.

The 2021 First Prize Winners in Division A are Mr Jie Li and Mr Qirui Hu

Mr. Jie Li and Mr. Qirui Hu from China received the prize for their paper “Prediction Interval of Air Pollutants Concentration by Nonparametric Regression Analysis”.

DIVISION B: STATISTICAL SYSTEMS

Papers in Division B may be on any topic that directly addresses the development and improvement of statistical systems in countries with limited statistical infrastructure (developing countries). The main criteria are innovative and significant contribution to statistical progress in government or government organisations in a developing country, and quality of exposition and communication. Contributions could be in innovative applications of existing statistical methods, or application of new sources and innovative data collection and production. For both divisions, the criteria for quality of exposition and communication include adequate reference to related work; technical and methodological standard of work; quality of writing organisation and clarity.

The First Winner in Division B Statistical Systems is Ms. Mozhgan Taavoni

Ms. Mozhgan Taavoni from Iran, received the prize for her paper ‘High dimensional generalized semiparametric model for longitudinal data”.
ISI – ESRI STUDENT POSTER COMPETITION

The ISI-Esri Student Poster competition was launched in 2018 with the aim to promote research, encourage spatial thinking and Inspire curiosity about statistical spatial analysis, geographic patterns, and geocomputing. The competition is sponsored by Esri and ISI. Prizes are awarded to first, second and third-place participants.

Winner, Data Science:
Andre Olivera
Study and Predictive Analysis of leaks in a Water Distribution System - Vila Nova de Gaia, Portugal

Winner, Spatial Thinking:
Bahar Pahlevani
The Capybaras of Florida, Rodents of Unusual Size in the Sunshine State

Winner, Communication:
Mallory Warhurst
A Hostile Long Beach, The truth about public architecture in Long Beach, California
ISI SERVICE AWARDS 2021

The ISI Service Awards are presented to members who have made outstanding contributions to the ISI and the international statistical community. The 2021 ISI Service Awards go to:

Nalini Ravishanker
For outstanding and dedicated leadership and service as SPC Chair for the Virtual ISI World Statistics Congress 2021.

Ananda Sen
For serving as Book Reviews Editor for International Statistical Review.

Michael Steiner
For serving as Committee on Agricultural Statistics Chair.

Peter Guttorp
For his invaluable efforts in organizing the Public Voice Initiative.

Megan Higgs
For her Editorial Leadership for the Statisticians React to the News blog
BERNOULLI SOCIETY

BS ETHEL NEWBOLD PRIZE
The Ethel Newbold Prize, supported by Wiley, is awarded biennially to an outstanding statistical scientist for a body of work that represents excellence in research in mathematical statistics, and/or excellence in research that links developments in a substantive field to new advances in statistics. While the name recognizes the historically important role of women in Statistics, the prize itself is for excellence in statistics without reference to the gender of the recipient.

2021 Prize Winner: Marloes Maathuis

Marloes Maathuis is Professor of Statistics at the ETH Zurich, Switzerland. She received her PhD from the University of Washington in 2006, and started at the ETH Zurich in 2007. She has contributed pioneering work in the areas of causal inference, graphical models, and machine learning, with significant applications to genetics, HIV-AIDS, and imaging data in psychiatry. She has also served the Bernoulli Society as chair of the European Regional Committee (2019-2020). The winner will be invited to present a talk in a Bernoulli Society sponsored conference.

2019 Prize Winner: Mathias Drton

Mathias Drton is Professor of Statistics at the University of Washington in Seattle. He received his PhD from the University of Washington in 2004 and has held faculty positions at the University of Chicago and the University of Copenhagen. His research interests revolve around graphical models. The winner will be invited to present a talk in a Bernoulli Society sponsored conference.

BS AND RSS DAVID G. KENDALL AWARD FOR YOUNG RESEARCHERS
This biennial joint BS and RSS Award aims to recognize excellent research in Mathematical Statistics and in Probability Theory. The Award is in honor of David G. Kendall, who was the first president of the Bernoulli Society, and was awarded the Guy Medal in Silver (1955) and in Gold (1981) of the RSS.

2021 AWARD WINNER: EWAIN GWYNNE

Ewain Gwynne is an associate professor at the University of Chicago and a Clay research fellow. His research focuses on random geometric objects which arise in statistical mechanics, including random curves such as Schramm-Loewner evolution and random surfaces such as Liouville quantum gravity. Ewain received his undergraduate degree from Northwestern University and his Ph.D from MIT, advised by Scott Sheffield. Before coming to Chicago he was a postdoc at the University of Cambridge, supported by a Trinity college junior research fellowship, a Herchel Smith fellowship, and a Clay research fellowship.

WILLEM VAN ZWET MEDAL
The Biennial Bernoulli Society Medal aims to recognise special service to the Bernoulli Society. The medal is in honour of Willem Van Zwet, who served Bernoulli Society and its aims in many special ways.

2021 Willem Van Zwet Medal Awarded to Maria Eulália Vares

Maria Eulália Vares has been awarded the inaugural Willem van Zwet Medal for Special Service to the Bernoulli Society in recognition of her outstanding service to the Bernoulli Society as Publications Committee member and chair, and as Editor of Stochastic Processes and their Applications (SPA). She played a key part in negotiations with Elsevier concerning Stochastic Processes and their Applications, showing great leadership in helping to obtain better prices and open access conditions for SPA and initiation of Elsevier’s support for young researchers and students to participate in Bernoulli Society sponsored meetings, among other benefits. She has also served the Latin American Regional Committee and joined in organization of Bernoulli-sponsored events such as the Brazilian School of Probability, thus promoting the development of Probability and Mathematical Statistics in Latin America.
BERNOULLI JOURNAL LECTURE

This biennial award lecture sponsored by the Bernoulli Society and presented at the ISI World Statistics Congress rewards an excellent contribution to statistics, recently published in the Bernoulli Journal.

2021 Lecturer: Johannes Schmidt-Hieber

Johannes Schmidt-Hieber is an outstanding mathematical statistician, who recently published some very impressive work on the connection between nonparametric statistics and deep neural networks. He received a joint PhD from the University of Göttingen and the University of Bern in 2010. After postdoc positions in Amsterdam and Paris, he was an assistant professor at Leiden University until 2018. Currently, Johannes is professor of statistics at the University of Twente and professor of deep learning foundations at Leiden University.

BERNOULLI PRESIDENTIAL INVITED LECTURE

This biennial Invited Lecture is sponsored by the Bernoulli Society and presented at the ISI World Statistics Congress. The Lecturer is selected by the President of the Bernoulli Society.

2021 Lecturer: Markus Reiss

Markus Reiss is Professor for Mathematical Statistics at Humboldt University Berlin after positions in Berlin, Oxford, Paris and Heidelberg. He has contributed fundamental work in the areas of nonparametric statistics, statistical inverse problems and statistics for stochastic differential equations. Applications include financial high-frequency data, medical imaging and biophysics. He has been serving as an associate editor for several theoretical and applied statistics journals; currently, he is one of the two co-editors of the Bernoulli Journal (2019-21).

BS NEW RESEARCHERS AWARD IN STATISTICS

The BS New Researchers Award recognizes the work of outstanding young researchers, who are members of the Bernoulli Society, in the fields of Mathematical Statistics and Probability. The main goal of this award is to recognize innovative research by new researchers.

2021 BS New Researchers Award in Statistics Awardees:

Aaditya Ramdas is an assistant professor at Carnegie Mellon University (CMU), jointly appointed in the Departments of Statistics and Machine Learning. Prior to that, he was a postdoc at UC Berkeley for 3 years, a PhD student at CMU and an undergraduate at IIT Bombay. Aaditya’s work is at the boundary of theory and methodology of statistics and machine learning. His three main research thrusts are selective and simultaneous inference (interactive, structured, post-hoc control of false decision rates), sequential uncertainty quantification (confidence sequences, always-valid p-values, e-values, betting, martingales, bandits), and distribution-free black-box predictive inference (conformal prediction, calibration).

Dr. Anru Zhang received his Bachelor’s degree from Peking University in 2010 and Ph.D. degree from the University of Pennsylvania in 2015. He joined the Department of Statistics at the University of Wisconsin-Madison as an assistant professor in 2015 and was promoted to tenured associate professor in 2021. He has been a visiting professor in the Department of Biostatistics & Bioinformatics, Duke University since 2020. His work focuses on high-dimensional statistical inference, statistical tensor analysis, non-convex optimization, computational complexity, statistical learning theory, and applications in genomics microbiome, computational imaging. He received the NSF Career Award in 2020.
Dr. Fang Han received his B.Sc in Probability and Statistics from Peking University, his M.Sc in Biostatistics from the University of Minnesota, and his Ph.D. in Biostatistics from the Johns Hopkins University. He is currently an Assistant Professor of Statistics and Economics (adjunct) at the University of Washington, Seattle. Dr. Han’s main research interest is in rank-based statistics, nonparametric/semiparametric statistics, and high-dimensional statistics.
IAOS PRIZES FOR YOUNG STATISTICIANS
The International Association for Official Statistics (IAOS) Young Statistician Prize aims to encourage more young statisticians to take an active interest in official statistics. The prize commenced in 2011 and has been awarded annually since.

The prize recognizes the best paper in the field of official statistics written by a young statistician. Submitters are encouraged to address and propose solutions to pressing methodological or strategic issues in official statistics at the regional, national, or international level.

In addition to the monetary prizes, the first place winner receives travel funds to present the paper at one of the sessions of the next ISI or IAOS Conference depending on the year (the ISI and IAOS conferences are biennial).

2021 First Prize Joint Winners: Ms. Elham Sirag (pictured) and Mr. Gautier Gissler
Ms. Elham Sirag, Statistical Analyst (pictured) and Mr. Gautier Gissler, Methodologist, at Statistics Canada, joint winners of first place prize for their paper ‘Estimating excess mortality in Canada during the COVID-19 pandemic: Statistical methods adapted for rapid response in an evolving crisis’.

2021 Second Prize Winner: Mr. Kevin Kloos
Mr. Kevin Kloos, Intern Methodologist at Statistics Netherlands (CBS), winner of second place prize for his paper ‘A new generic method to improve machine learning applications in official statistics’.

2021 Third Prize Winners: Ms. Luna Hidalgo and Mr. Caio Gonçalves
Ms. Luna Hidalgo, Statistician at the Brazilian Institute of Geography and Statistics (IBGE) and Mr Caio Gonçalves, Economist at the João Pinheiro Foundation, winners of third place prize for their paper ‘Model-based single-month unemployment rate estimates for the Brazilian Labour Force Survey’.

2021 Special Commendation for a Paper from a Developing Nation Winners: Mr. Muhammad Fajar and Mr. Zelani Nurfalah
Mr. Muhammad Fajar and Mr. Zelani Nurfalah, Statisticians at Badan Pusat Statistik (Statistics Indonesia), winners of special commendation for a paper from a developing nation for their paper ‘Hybrid Fourier Regression-Multilayer Perceptron Neural Network for Forecasting’.

2020 First Prize Winner: Ms. Kenza Sallier
2020 Second Prize Winners: Mr. Johannes Gussenbauer and Mr. Gregor De Cillia

Mr. Johannes Gussenbauer and Mr. Gregor De Cillia from Statistik Austria, second place winners for their paper ‘The R-Package surveyszd: Estimating standard errors for Complex Surveys with a Rotating Panel Design’.

2020 Third Prize Winner: Mr. James Bailie

Mr. James Bailie of the Australian Bureau of Statistics. third place winner for his paper ‘Big Data, Differential Privacy and National Statistical Organisations’.

2020 Special Commendation for a paper from a Developing Nation Winner:

IASC DATA ANALYSIS COMPETITION

The goal of the Data Analysis Competition is to promote the theory, methods, and practice of statistical computing and to foster interest and knowledge in effective and efficient statistical computing through international contacts. This year sees already the fourth edition of the competition that was established in 2013 by the IASC. The competition is partially supported by Springer.

2021 IASC Data Analysis Competition Winning Posters First Place:


2021 IASC Data Analysis Competition Winning Posters Second Place:

G. Zammarchi ‘Impact of the COVID-19 outbreak on Italy’s country reputation: a sentiment analysis approach’.

2021 IASC Data Analysis Competition Winning Posters Third Place:

S. A Kharroubi: ‘A Bayesian nonparametric approach for modelling health-related quality of life data’.

Honorable mention for a promising work of a starting research team:

Chih-Ling Chen, Qian-Wu Liao, H. Dahmani: ‘HIV with antiretroviral therapy in Sub-Saharan Africa’.

S. Gurria, A. Brito, J. Esteban Borja, J. Fullaondo, Y. Abdel Nasser: ‘Factors that influence the GPA of high school students’.

IASC-LARS BEST PAPER AWARD

The mission of the Latin American Regional Section is to promote Latin American co-operation in pursuing the aims of the IASC. For the fulfillment of this mission, participants attending seminars, conferences, meetings, and schools organized by IACS-LARS members or on behalf of the IASC-LARS may be the recipient of the IASC-LARS Best Paper Award.

The IASC-LARS Best Paper Award is the mechanism through which the Latin American Regional Section of the IASC acknowledges the exceptional contribution of a Latin American paper to the theory, methods, and practice of statistical computing.

The IASC-LARS Best Paper Award is awarded by a Selection Committee according to the following assessment criteria: technical excellence, originality and innovation, relevance and impact, clarity and organization. The IASC-LARS Best Paper Award will be awarded at the closing ceremony at the LACSC 2021 5th Latin American Conference on Statistical Computing to be held on April 19-21, 2021. LACSC 2021 is the main meeting point of the Latin American scientific community in computational statistics. The names of the winners will be posted on the LACSC 2021 and the IASC websites.

IASC-LARS Best Paper Winners:

Title: ‘Fast Bayesian inference for block-NNGP for large data’.

First Author: Zaida Jesús Quiroz Cornejo, Pontificia Universidad Católica de Perú

Co-Author: Marcos O. Prates, Department of Statistics, Universidade Federal de Minas Gerais
Co-Author: Dipak K. Dey, Department of Statistics, University of Connecticut

Co-Author: Havard Rue, Computer, Electrical and Mathematical Science and Engineering Division, King Abdullah University of Science and Technology

IASC-LARS Best Poster Winners:
Title: ‘Mixed models for individual growth in random environment through Laplace approximation’.

First Author: Nelson T. Jamba, Centro de Investigação em Matemática e Aplicações, Instituto de Investigação e Formação Avançada, Universidade de Évora

Co-Author: Patricia Filipe, Centro de Investigação em Matemática e Aplicações, Instituto de Investigação e Formação Avançada, Universidade de Lisboa, ISCTE Business School, Quantitative Methods for Management and Economics Department.

Co-Author: Carlos A. Braumann, Centro de Investigação em Matemática e Aplicações, Instituto de Investigação e Formação Avançada, Universidade de Évora, Departamento de Matemática, Escola de Ciências e Tecnologia, Universidade de Évora.

Co-Author: Goncalo Jacinto, Centro de Investigação em Matemática e Aplicações, Instituto de Investigação Formação Avançada, Universidade de Évora, Departamento de Matemática, Escola de Ciências e Tecnologia, Universidade de Évora.
The Statistical Poster Competition is an international competition for youth. It is organised by the International Statistical Literacy Project (ISLP), which promotes statistical literacy around the world. The categories are lower secondary school, upper secondary school and undergraduate students. The competition invites students to design a statistical poster on the topic of their choice. The posters should reflect or illustrate usage analysis, interpretation and communication of statistics or statistical information. The competition offers a fun and interesting way for students to learn about statistics and provides a teaching tool for teachers.

The competition takes place in two-year cycles. The current competition started in 2020 with national competitions organised by the ISLP country coordinators. The international final took place in the spring 2021. An international jury consisting of statistics experts evaluated the winning posters from each country. The winners are announced at the Virtual ISI World Statistics Congress.

2020 – 2021 ISLP Poster Competition

2020 – 2021 ISLP Poster Competition
Lower Secondary (Junior) Division

First Prize Winners: Japan
Yamamoto Nozomi, Ogawa Chiharu, and Wakisaka Kie,
School: Kobe University Secondary School

Second Prize Winners: South Korea
Seobin Han and Seoyeon Sa
School: Cheonan Yonggok Middle School

Third Prize Winners: Bulgaria
Aleksandrina Dimitrova, Gabriela Krumova, Eva Yordanova, Yoana Shomakliyska, Militsa Shomakliyska
School: “Kozma Trichkov” Secondary School, Vratsa

Honorable Mention:
Finland
John Blomqvist and Aaro Hautala
School: Paraistenseudun Koulu

Spain
Teacher: Concepción Sieiro Verdura
School: IES Pontepedriña (Santiago de Compostela)

2020 – 2021 ISLP Poster Competition
Upper Secondary (Senior) Division

First Prize Winners: Bulgaria
Alexander Ganchev, Dima Angelova, Konstantin Dobrev
School: High School of Natural Sciences and Mathematics – Blagoevgrad

Second Equal Prize: Singapore
Wang Zixun, Wu Zhenshuo, Gu Yingqi, Teng Yee Shin and Damon Ong Wen Zheng
School: River Valley High School

Second Equal Prize: South Korea
Seonghyun Yoon, Seo Yoon Park, Daewoong Kang  
School: NLCS Jeju

Honorable Mention:  
Ireland  
Mizna Shahid and Zainib Shahid  
School: Loreto Balbriggan

2020 – 2021 ISLP Poster Competition  
Undergraduate Division

First Prize Winners: Pakistan  
Mr. Ali Hassan, Ms. Fatima Aslam  
School: University of Gujrat, Gujrat, Pakistan

Second Prize Winners: Argentina  
Walter Gastón Cucit and Mélani Cúnico  
Professor: Fernando Muñoz  
Facultad de Ciencias Agrarias. Universidad Nacional del Litoral, Santa Fe

Third Prize Winners: Iran  
Neda Hatamian, Fatemeh Yazdani, Zahra Malekzadeh, Maryam Ghiabi, Zahra Foroughi  
Professor: Dr. Narsollah Iranpanah  
School: University of Isfahan

IASE-ISLP BEST COOPERATIVE PROJECT AWARD IN STATISTICAL LITERACY  
This is a biennial award given in recognition of outstanding, innovative, and influential statistical literacy projects that affect a broad segment of the general public and are fruit of the cooperation between different types of institutions (national statistical offices, schools, universities, statistical societies, media, libraries, etc.) and make creative use of available resources.

The IASE – ISLP Best Cooperative Project Award 2021 went to Russia, TREND.
IASS COCHRAN-HANSEN PRIZE

The Cochran-Hansen Prize was established by the International Association of Survey Statisticians in 1999, on the occasion of its 25th anniversary. The biennial award is given to the best paper in survey research methods by a young statistician from a developing or transitional country. The winner of the Prize is invited to present his/her paper at the ISI World Statistics Congress and receives a total of €1500 for research expenses, which include registration to the 63rd World Statistics Congress 2021.

Title of the winning paper

‘Estimation of gross flows under nonresponse and complex sampling design’.

2021 Prize Winner:

Guilherme A. Pinheiro Jacob was born on June 21st, 1991 in Manaus, Amazonas, Brazil. He studied for a B.Sc in Economics at the Federal University of Amazonas in Manaus, Brazil, and completed a MSc. in "Population, Territory and Public Statistics" at the National School of Statistical Sciences (ENCE/IBGE) in Rio de Janeiro, Brazil, where he is currently a PhD candidate. He was also Leslie Kish Fellow at the University of Michigan's 2020 Sampling Program for Survey Statisticians.
ABDEL EL-SHAARAWI EARLY INVESTIGATOR’S AWARD

The award was established through a motion of the Board of Directors in 2001 and subsequent definition of the nature of the award.

The Abdel El-Shaarawi Early Investigator (AEEI) Award was established by the TIES Board in order to recognize and honor early investigators who have made outstanding contributions to the development of statistical and/or quantitative approaches for research in the environmental sciences.

The nominations are based on:

- Outstanding contribution to environmental statistical and quantitative research with quality and impact as proved by the number and the reputation level of publications in the statistical literature.
- Strong interdisciplinary work for solving important environmental problems, as proved by high reputation interdisciplinary publications and research projects.
- Contribution to the Environmetrics community, as proved by the organization of courses and conferences, and professional development in the field of Environmetrics.
- Contribution to TIES, as proved by, for example, number of years of membership, participation to TIES conferences or courses, organization of TIES conferences/courses or invited sessions, contributions to the board.

2021 Abdel El-Shaarawi Early Investigator (AEEI) Awardee

Stefano Castruccio got his PhD in 2013 at the University of Chicago. He was a postdoctoral fellow at King Abdullah University of Science and Technology (KAUST, Saudi Arabia) and a Lecturer at Newcastle University (UK) before his current appointment at the University of Notre Dame (US). Throughout his career, he have worked on several environmental topics such as uncertainty quantification of climate model projections at global scale, air pollution assessment, wind energy and visualization. His current research is broadly divided in two areas: physics-based models with Stochastic Partial Differential Equations and data-informed approaches with Machine Learning methods for spatio-temporal data.

2020 Abdel El-Shaarawi Early Investigator (AEEI) Awardee

Andrew Zammit-Mangion is a Discovery Early Career Research Award (DECRA) senior research fellow with the National Institute for Applied Statistics Research Australia (NIASRA) at the University of Wollongong. His interests lie in pretty much everything relating to spatio-temporal statistics and the tools which enable it. He completed his PhD in 2012 at the University of Sheffield, UK in the Department of Automatic Control and Systems Engineering before carrying out brief post-docs at the University of Edinburgh with the School of Informatics and the University of Bristol with the Department of Maths and the School of Geographical Sciences. He was a senior research fellow with NIASRA until January 2017, a senior lecturer until June 2018, and a senior research fellow since.

WILEY-TIES BEST PAPER AWARD

This award was established in 2014, in collaboration with Professor W. Piegorsch - the Editor-in-Chief of Environmetrics. All regular submissions to the Environmetrics journal accepted in the year are considered for the award. The winning paper presents a novel theory or methodology for a relevant and current environmental application, is well written with large potential for impact and provides a significant contribution to environmetric research.
2020 Wiley-TIES Best Paper Award:

Nicholas Beck, McGill University, Montréal, Canada

Christian Genest, McGill University, Montréal, Canada

Jonathan Jalbert, Polytechnique Montréal, Canada

Melina Mailhot. Université Concordia, Montréal, Canada

‘Predicting extreme surges from sparse data using a copula-based hierarchical Bayesian spatial model. Environmetrics. 2020; 31:e2616’.

The paper presents an innovative solution to assessing the risk of overland flooding due to extremal surges for the Atlantic coast of Canada, addressing the problem of data sparsity and incompleteness in space and time. The authors use a combination of extreme value theory, spatial statistics in a hierarchical Bayesian approach as a modeling framework. The model implemented includes tail dependence between observed extremes, which is key for risk assessment of concurrent extreme events.

The winning paper is well written with large potential for applications on the evaluation of risk to coastal extreme events, in light of climate change. The proposed methods have a potential for broader use and provide a significant contribution to research in environmetrics.

TIES-WILEY BEST STUDENT PRESENTATION AWARD

In 2012, the TIES Board of Directors adopted the titles TIES-Wiley Best Student Presentation Award and TIES-Wiley Best Poster Award for the two categories of prizes that have been awarded to outstanding presenters at TIES conferences.

Laura Cartwright, School of Mathematics and Applied Statistics at University of Wollongong, Australia


Honorable Mention: Matthew Bonas from the University of Notre Dame (USA)

Runner Up Award: Quan Vu from the University of Wollongong (Australia).
The ISI - IBS Young Ambassadors Award is a joint initiative of the International Statistical Institute (ISI) and the International Biometric Society (IBS). The aim is to promote collaboration between the young statisticians of ISI and IBS.

The two winners of the ISI and IBS Young Ambassadors have been selected to participate in the International Statistics Institute (ISI) Virtual World Statistics Conference (WSC) 2021.

2021 ISI and IBS Young Ambassadors:

**Fernanda De Bastiani**, Federal University of Pernambuco, Statistics Department, Recife, Pernambuco, Brazil

Paper ‘Outlier detection for location parameter within GAMLSS’.

**Oscar Andrés Espinosa Acuña**, Instituto de Evaluación Tecnológica en Salud, Bogotá

Paper: ‘Priorities and recommendations for Health in Columbia. Analysis of the 2019 Great Health Survey (Science, Technology, and Innovation)’.

**2020 ISI – IBS Young Ambassadors:**

**Christian Eduardo Galarza Morales**
Department of Statistics, Escuela Superior Politécnica del Litoral, ESPOL, Guayaquil, Ecuador


**Anower Hossain**
Institute of Statistical Research and Training (ISRT) University of Dhaka, Bangladesh

Paper: ‘Comparing the performance of inverse probability weighting and multiple imputation for handling missing binary outcomes in cluster randomized trials’.
2020 – 2021 NEWLY ELECTED MEMBERS OF THE ISI

Albania
Shahini, Besha

Argentina
Bianco, Ana Maria

Australia
Beh, Eric John
Zammit-Magion, Andrew

Austria
Baffour-Awuah, Bernard
Muller, Samuel
Todorov, Valentin
Zeileis, Achim

Bahrain
Khorsheed, Eman Mohamed Mirza

Brazil
Assunção, Renato
Bourguignon Pereira, Marcelo
De Andrade Lima Neto, Eufresio
Diniz da Silva, Andrea
Gamerman, Dani
Leonardi, Florencia Graciela
Lopes, Hedibert
Opazo, Miguel Angel Uribe
Vivacqua, Carla Almeida

Bulgaria
Stoyanov, Jordan

Canada
Torabi, Mahmoud

Chile
Firinguetti, Luis
Nicolis, Orietta

China
Rolla, Leonardo
Zhang, Xinyu

Egypt
Farid, Mohsen

Germany
Biehler, Rolf
Drton, Mathias
Frieschemeier, Daniel
Kreuter, Frauke

Ghana
Adebanji, Atinuke Olusola

Greece
Meintanis, Simos
Markos, Angelos

India
Bandyopadhyay, Antar
Ganguli, Bhaswati
Maulik, Krishanu

Ireland
Porcu, Emilio

Italy
Conversano, Claudio
D’Ambrosio, Antonio
Hennig, Christian Martin
Ingrassia, Salvatore
Petrone, Sonia

Japan
Ishioka, Fumio
Kengo, Kamatani
Kuroda, Masahiro
Minami, Hiroyuki
Sato-Ilic, Mika
Sakurai, Hirohito

Kenya
Otieno, Joyce Akinyi

Kyrgyz Republic
Ishmailakhunova, Saida

Latvia
Liberts, Mārtiņš

Lithuania
Leipus, Remigijus
Malaysia
Chang, Yun Fah

Mexico
Rodrigues, Eliane Regina

Moldova
Spoiala, Lucia

Netherlands
Daas, Piet
Van Delden, Arnout-

Nigeria
Adepoju, Abosede Adedayo

Pakistan
Kamal, Asifa

Philippines
Lansangan, Joseph Ryan

Portugal
Cadete de Matos, Joao

Romania
Oancea, Bogdan

Saudi Arabia
Bolin, Jan David

Singapore
Das, Bikramit

Spain
Ferrer-Riquelme, Alberto J.

Slovenia
Nastav, Bojan

South Africa
Esterhuizen, Tonya Marianne
Le Roux, Niel Johannes

Switzerland
Maathuis, Marloes Henriette

Taiwan
Chen, Ray-Bing

Uganda
Omala, Saint Kizito

United Kingdom
Peters, Gareth
Samworth, Richard John

USA
Allen, Genevera
Bandyopadhyay, Dipankar
Chang, Won
Chen, Xi
Eltinge, John Lamont
Fisher, Thomas
Gentleman, Robert Clifford
Gupta, Sat
Higgs, Megan Dailey
Hofmann, Heike
Jansen, Ronald Wilhelminus
Kim, Seonjin
Laarbi, amor
Li, Lexin
Love, Kimberly
Luo, Sheng
Lystig, Theodore Christian
Melynkov, Volodymyr
Miller, Jackie Bryce
Moore, Jason
Nagaraja, Chaitra Haikady
Paynabar, Kamran
Peters, Linda
Sabbaghi, Arman
Santos, Robert
She, Yiyuan
Wang, Huixia
Wu, Jing
Wu, Yichao
Xi, Bowei
Zhao, Jiwei
Zhou, Wen
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