

Lifetime Data Analysis Interest Group

# LIDA Newsletter

Volume 2, Number 2 – July 2017

An interest group associated with the American Statistical Association

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## In Brief

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Our website is:

<http://community.amstat.org/lifetime-data-analysis-lida-interest-group/home>.

Published newsletters are archived under "Library".

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### LIDA-IG Business Meeting at JSM 2017

Lifetime Data Analysis Interest Group Business Meeting

Date: Monday, 7/31/2017

Start Time: 5:00 PM

End Time: 6:30PM

Room Name: CC-311

Room Set: Theater

CC=Baltimore Convention Center

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### Reports from the 2017 Conference on Lifetime Data Science

#### Election 2017

#### Chater and Membership Update

#### Request for Proposals for Hosting the 2019 Lifetime Data Science Conference

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#### Membership in the LIDA-IG

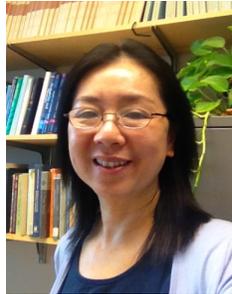
If you have an interest in life history data you are invited to join.

Membership forms can be found on our website.

#### LIDA Officers

Chair:	Mei-Cheng Wang
Chair-Elect:	Richard Cook
Past Chair:	Jack Kalbfleisch
Secretary 2015-2018:	Jonathan Siegel
Treasurer 2016-2019:	Chiung-Yu Huang
Program Chair (2017):	Bin Nan
Program Chair (2018):	Yu Shen
Webmaster:	Weiliang Qiu
Newsletter Editor:	Jun Yan

## Chair's Message



The LIDA-IG continued to grow membership in 2017. We now have about 260 members of whom approximately 200 are also members of the ASA. If you have colleagues or students with a strong interest in life history data, please let them know of this initiative and invite them to join. There will be sign-up sheets at the JSM Annual Meeting in Baltimore, but the information on joining can also be found on the LIDA-IG website. In the past year the Charter developed by the executive committee has been successfully approved by the ASA Committee of Sections. The Charter will be modified and used as a supporting document for the application of ASA LIDA-Section.

In May 25-27, 2017, the LIDA-IG sponsored a conference on Lifetime Data Science at the University of Connecticut, Storrs. The purpose of the conference was to promote and support the development and application of statistical methods for lifetime or time-to-event data in the very broad spectrum of data science, precision medicine and risk analysis. As the first conference sponsored by LIDA-IG, it received very enthusiastic support from our profession, where 63 sessions were organized and approximately 340 people registered to participate. The conference plan was well supported by a large and very distinguished Program Committee and an extremely effective Local Organizing Committee, led by Drs. Ming-Hui Chen and Jun Yan from the University of Connecticut. The keynote speeches of the conference were delivered by two highly accomplished leaders in Biometry and Statistics: Professor Niels Keiding from the University of Copenhagen, Denmark, and Professor Lee-Jen Wei from Harvard University, USA. Associated with the conference were two half-day and two full-day short courses, which were taught by five leading experts in their respective areas: Drs. Mitchell Gail, Joseph Ibrahim, Ruth Pfeiffer, Joanna Shih and Xiao-Hua (Andrew) Zhou. The conference included poster and paper competitions for students and post-docs, where the competition results are summarized in this Newsletter by Dr. Zhezhen Jin, the Student Paper/Poster Committee Chair. The impressive two-day technical program covered a broad array of interesting topics delivered by approximately 240 speakers, a substantial proportion of whom are senior leaders in the field. During and after the conference, the LIDA-IG executive committee received very positive feedbacks from conference attendees, which greatly encourage and support the continuation of a similar event in 2019.

The LIDA-IG will soon have its annual meeting at the JSM in Baltimore. All members and friends are welcome to attend:

Meeting Title: Lifetime Data Analysis Interest Group Business Meeting  
 Time: 5:00–6:30pm, Monday, 7/31/2017  
 Meeting Room: CC-311

The LIDA-IG will sponsor or co-sponsor several activities and events in 2017 and 2018: co-sponsor the 2017 ICSCA China Conference in Jilin; sponsor a topic-contributed session and co-sponsor three invited sessions at 2017 JSM (summarized by Dr. Bin Nan, the LIDA-IG Program Chair 2017); co-sponsor the 2018 ICSCA China Conference in Qindao, China.

# Report from the 2017 Conference on Lifetime Data Science

## Overall



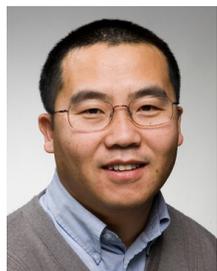
The LIDA-IG was the primary sponsor of a conference, entitled “Data science, precision medicine and risk analysis with lifetime data, which was held at the University of Connecticut, Storrs, Connecticut, on May 25-27, 2017. The aim of the conference was to promote and support the development and application of statistical methods for lifetime or time-to-event data. The conference was jointly-sponsored by the International Chinese Statistical Association (ICSA), the University of Connecticut, Bayer Pharmaceuticals, Takeda Pharmaceuticals, and the American Statistical Association. The conference was a great success by any measure as many participants commented. There were well over three hundred registrants and over sixty invited sessions with many excellent presentations over the course of the conference.

I served as Conference Chair, which is a position that I strongly recommend since it involved very little work but people continually complimented me on the conference organization and content. The success of the conference, however, was due to the work of Mei-Cheng Wang of Johns Hopkins University, who served as Program Chair for the conference, and the local arrangements that were so ably managed by Ming-Hui Chen and Jun Yan, both from the University of Connecticut. Mei-Cheng also worked with a large and effective program committee. The scientific level of the meeting was outstanding as was the venue at the University of Connecticut. Thursday, May 25 saw the presentation of four short courses and workshops on lifetime data science. The main conference began on May 26 with a plenary key note session with talks by Niels Keiding (University of Copenhagen) and Lee-Jen (L.J.) Wei (Harvard University). This was followed with many concurrent sessions to accommodate the high level of interest that the conference attracted. This made it a challenge for participants to choose among the many options available.

This was the first major event sponsored primarily by the LIDA-IG, and did much to advertise its activities and potential. Many participants felt that a follow up conference in two or three years would be timely and perhaps form the beginning of a continuing series of conferences sponsored by our Interest Group, or soon to be Section.

*Jack Kalbfleisch, Past Chair*

## Student Paper/Poster Awards



A student and postdoctoral paper and poster award competition was held for the 2017 LIDA conference. The review committee consists of Dr. Gang Li (University of California in Los Angeles), Dr. Guoqing Diao (George Mason University), Dr. Ian McKeague (Columbia University), and is chaired by Dr. Zhezhen Jin (Columbia University).

The submitted papers went through thorough review by the committee. The three winners in alphabetical order are:

- Fei Gao, University of North Carolina at Chapel Hill
- Jon Ari Steingrímsson, Johns Hopkins University
- Yifei Sun, Johns Hopkins University

The posters were presented during the mixer in the evening of May 25, 2017. The committee members evaluated the poster presentation through contents and questions. The three winners in alphabetic order are:

- Eric Kawaguchi, University of California in Los Angeles
- Youjin Lee, Johns Hopkins University
- Jing Wu, University of Connecticut

The six awards were presented during the banquet on May 26. We would like to thank all of the participants for their contributions.

The abstracts of the winning papers are:

- (1) Fei Gao, Donglin Zeng and Danyu Lin: Semiparametric regression analysis of interval-censored data with informative dropout

**Abstract:** Interval-censored data arise when the event of interest can only be ascertained through periodic examinations. In medical studies, subjects may not complete the examination schedule for reasons related to the event of interest. In this paper, we develop a semiparametric approach to adjust for such informative dropout in regression analysis of interval-censored data. Specifically, we propose a broad class of joint models, under which the event time of interest follows a transformation model with a random effect and the dropout time follows a different transformation model but with the same random effect. We consider nonparametric maximum likelihood estimation and develop an EM algorithm that involves simple and stable calculations. We prove that the resulting estimators of the regression parameters are consistent, asymptotic normal, and asymptotically efficient with a covariance matrix that can be consistently estimated through profile likelihood. In addition, we show how to consistently estimate the survival function when dropout represents voluntary withdrawal and the cumulative incidence function when dropout is an unavoidable terminal event. Furthermore, we assess the performance of the proposed numerical and inferential procedures through extensive simulation studies. Finally, we provide an application to data on the incidence of diabetes from a major epidemiological cohort study.

- (2) Jon Arni Steingrímsson, Liqun Diao and Robert L. Strawderman: Censoring unbiased regression trees and ensembles

**Abstract:** This paper proposes a novel approach to building regression trees and ensemble learning in survival analysis. By first extending the theory of censoring unbiased transformations, we construct observed data estimators of full data loss functions in cases where responses can be right censored. This theory is used to construct two specific classes of methods for building regression trees and regression ensembles that respectively make use of Buckley-James and doubly robust estimating equations for a given full data risk function. For the particular case of squared error loss, we further show how to implement these algorithms using existing software (e.g., CART, random forests) by making use of a related form of response imputation. Comparisons of these methods to existing ensemble procedures for predicting survival probabilities are provided in both simulated settings

and through applications to four datasets. It is shown that these new methods either improve upon, or remain competitive with, existing implementations of random survival forests, conditional inference forests, and recursively imputed survival trees.

(3) Yifei Sun, Jing Qin and Chiung-Yu Huang: Missing information principle: A unified approach for general left-truncated and/or right-censored survival data problems

Abstract: It is well known that truncated survival data are subject to sampling bias, where the sampling weight depends on the underlying truncation time distribution. Recently, there has been a rising interest in developing methods to better exploit the information about the truncation time, thus the sampling weight function, to obtain more efficient estimation. In this paper, we propose to treat truncation and censoring as "missing data mechanism" and apply the missing information principle to develop a unified framework for analyzing left-truncated and right-censored data with unspecified or known truncation time distributions. Our framework is structured in a way that is easy to understand and enjoys a great flexibility for handling different types of models. Moreover, a new test for checking the independence between the underlying truncation time and survival time is derived along the same line. The proposed hypothesis testing procedure utilizes all observed data and hence can yield a much higher power than the conditional Kendall's tau test that only involves comparable pairs of observations under truncation. Numerical simulation studies with practical sample sizes are conducted to compare the performance of the proposed method with its competitors. The proposed methodologies are applied to a dementia study and a nursing house study for illustration.

The abstracts of the winning posters are:

(1) Youjin Lee, Rajeshwari Sundaram and Mei-Cheng Wang: Joint modeling of delivery time and onset time of morbidities during the second-stage labor

Abstract: Prolonged second stage labor has been believed to directly lead maternal and neonatal morbidities, thus often prompting a cesarean section (C-section) after pre-specified time. On the other hand, there might be other benefits from pursuing vaginal delivery at the cost of allowing more time on labor even beyond the accepted time since C-section carries its own risk as well. We compare the risks of C-section and maternal or neonatal morbidities across the duration of second stage labor. We are ultimately interested in finding the right time for each individual when the risk of C-section and the risk of maternal or neonatal morbidity are balanced, conditioned on other given baseline covariates. This finding would furnish valuable reference for an obstetrician about when women should stop pushing. Our proposed semi-parametric joint model combines competing-risks data having three-type of delivery mode and current-status data of morbidity with individual-specified frailty, thereby assuring independence of two different models given observed covariates and frailty. We employ Gaussian quadrature integration to deal with unobserved frailty and propose the estimation method which substantially reduces computational burden. The numerical studies reflecting the plausible situations and real data analysis based on more than 100,000 cases will be followed.

(2) Eric Kawaguchi, Marc Suchard, Zhenqiu Liu and Gang Li: Sparse Cox's regression via broken adaptive ridge

Abstract: We develop a new variable selection method for sparse large-scale and high-dimensional data survival data. Our proposed method, broken adaptive ridge regression for Cox's proportional hazards model (CoxBAR), approximates L0-regularized regression through an iteratively reweighted L2-regularization algorithm. We show that CoxBAR possesses both an oracle property and a grouping property. Empirical results show that cross-validation is not needed for CoxBAR which is a key advantage for large-scale data. Our algorithm is implemented to take advantage of the sparsity in both the design matrix and the partial likelihood for efficient computing. The proposed method is illustrated using the National Trauma Database.

(3) Jing Wu, Elizabeth D. Schifano, Jun Yan, Yuping Zhang and Ming-Hui Chen: Online updating of survival analysis in the big data setting

Abstract: When large amounts of survival data arrive in streams, conventional estimation methods may become infeasible since they require storage of all the risk sets at each accumulation point. In this paper, we develop online updating methods for carrying out survival analysis under the Cox proportional hazards models. Specifically, we propose online-updating estimators as well as their corresponding standard errors for both the regression coefficients and the baseline hazard function. Theoretical properties of the estimators are examined in detail. An extensive simulation study is conducted to examine empirical performance of the proposed estimators. A large prostate cancer data set from SEER is analyzed to further demonstrate the proposed methodology.

*Zhezhen Jin*, Chair  
Student Paper/Poster Committee

## Local Organization

It was our great pleasure to host the 2017 LIDA Conference at University of Connecticut. About 340 participants enjoyed the pleasant Spring weather at Storrs and the warm hospitality of the faculty and students of UConn. This is a big gathering of people working on lifetime data science, researchers and practitioners, seniors and juniors, novices and experts. We strove to provide the best support to the colleagues coming to the conferences from all over the world despite a limited budget and resources. The conference started from four short courses on Thursday, May 25. With a friendly registration fee (\$160 for non-student participant), we were able to provide a mixer reception on Thursday evening, two breakfasts, one lunch at the Student Union on Friday, and one barbecue lunch on Saturday. 120 guests joined the banquet dinner on Friday at Chang's Garden, where the authentic, multiple-course Chinese food became a lasting memory. We are grateful to those who kindly send us encouragingly positive feedbacks about their conference experience.

The success of the local organization depended on a spectacular team work. We thank Drs. Ray Liu and Jonathan Siegel for their efforts in facilitating the sponsorship from Takeda and Bayer, respectively. Our student webmaster Henry Linder, did an excellent job; he communicated closely with the program committee chair Dr. Mei-Cheng Wang from a very early stage, initiated/maintained the conference website, and developed tools

for the registration, abstract submission, and program book generation. Our graduate student volunteers were the best helpers and played a critical role to ensure the smoothness of the conference in all aspects. The coordinator, Hao Li, successfully recruited 26 student volunteers. Under the leadership of Hao Li, Disheng Mao, Jing Wu, Yeongjin Gwon, and Arita Halder, they tended the registration desks continuously for three days, provided technical support on presentations at every single session, took photos for almost every presenter, and did many other things to make all participants to feel warmly welcomed. We would also like to thank the UConn Statistics Department staffs, Megan Petsa, Tracy Burke, and Hannah Melroy, for their endless support and preparation for this conference. Finally, we would like to thank Anne Hill of UConn Events & Conference Services for having done such an outstanding job for taking care of all detailed logistics, arrangements, and preparation for this conference. We would not have such a successful conference without her great effort, hard work and dedication.

We thank all participants for visiting UConn and hope you have marked UConn as an interesting stop in your journey of lifetime data science.

*Ming-Hui Chen and Jun Yan, Co-Chairs*  
Local Organizing Committee

## Report from 2017 ICSA China Conference with the Focus on Lifetime Data



The LIDA-IG was one of the sponsors for the 2017 ICSA China Conference with the Focus on Lifetime Data Science held at Jilin City of China during July 2–5. The conference attracted over 120 attendees coming from mainland China, Hong Kong, Korea, Taiwan, and United States. The two plenary speakers were Professor Jianqing Fan of Princeton University and LJ Wei of Harvard University. The conference covered a wide range of topics in

data science, especially lifetime data, and related fields, and provided an excellent venue for scientific exchanges and possible research collaborations.

Five winners were selected for the Junior Research Award sponsored by the Biostatistics & Data Sciences Department at Boehringer Ingelheim (BI): Drs. Giorgos Bakoyannis (Indiana University), Yang Li (University of North Carolina at Charlotte), Ling Ma (Clemson University), Peijie Wang (Jilin University, China), and Xue Yang (Janssen Research & Development, Shanghai, China).

The conference was a great success as many attendees commented.

*Jianguo (Tony) Sun, ICSA China Conference Chair*

## Election 2017

The LIDA-IG will hold an election this fall for the position of Chair-Elect; the successful candidate will serve as Chair in 2019 and Past Chair in 2020. As last year, the election will

be coordinated by the Committee on Sections (COS) of the American Statistical Association. According to the Charter, the nominating committee consists of myself as Past Chair who serves as chair, Doug Schaubel as past Program Chair, and Rebecca Betensky who was appointed by the Chair of the IG. The nominating committee is charged with nominating a slate of candidates for the open positions. In accordance with the LIDA-IG charter, there is also the opportunity for nominations from the membership. Such nominations must be signed by at least five members of the Interest Group. The nominators should also be sure that the nominee is a member of the LIDA-IG and of the ASA and is willing to participate. Nominations should be sent to the Chair (Mei-Cheng Wang [mcwang@jhu.edu](mailto:mcwang@jhu.edu)) with a copy to the Secretary (Jonathon Siegel [Jonathon.siegel@bayer.com](mailto:Jonathon.siegel@bayer.com)). The deadline for nominations is August 23, 2016.

Following a recommendation of the COS, the LIDA-IG charter now indicates that the elected positions of Secretary and Treasurer are for three year terms. By agreement of those currently holding the positions, the position of Secretary will be a part of the election in 2018 and of Treasurer will be in 2019, with the incumbents serving until those times.

*Jack Kalbfleisch, Past Chair*

## Charter and Membership Update



*LIDA Charter* The ASA requires all its interest groups to have a charter. By default, an interest group charter provides for a minimal set of officers including a chair, and has no provisions for handling money. Because we planned to support a strong educational program including conferences, we wanted

additional structure including a treasurer, a webmaster, program and executive committees, and other features. This took a substantial amount of negotiations and interactions with the ASAs Council of Sections (COA), with several rounds of drafts and revisions. We submitted our first draft of our charter to the COA in March of 2016. Fine-tuning included clarifying which officers were elected and which appointed, longer terms for the Secretary and Treasurer, details on elections procedures and charter amendments, and a number of other features. The ASAs COA approved LIDAs charter on May 17, 2017.

*Membership* The LIDA-IG has passed the 200 ASA member mark, with 206 verified ASA members and 63 other members (non-verified or non ASA members). Membership is free and is critically important to us. Please encourage colleagues to join the LIGA-IG.

*Jonathan Siegel, Secretary*

## Annual Business Meeting 2017

The annual LIDA-IG business meeting will be held during the JSM 2017 on Monday, July 31, from 5:00pm to 6:30pm, in Room 311 at the Baltimore Convention Center. All members are welcome to attend.

A tentative agenda of the business meeting is as follows.

1. Welcome; Mei-Cheng Wang

2. Introduction to LIDA; Jack Kalbfleisch
3. History of LIDA; Jonathan Siegel
4. Introduction of current officers; Mei-Cheng Wang
5. Mechanics: Charter, Elections and section status; Jonathan Siegel
6. Membership report; Jonathan Siegel
7. 2017 Conference on Lifetime Data Science; Ming-Hui Chen
8. LIDA-IG Invited and Topic Contributed Sessions at JSM; Bin Nan
9. Planning for 2019 Conference on Lifetime Data Science; Richard Cook
10. Springer Award Presentation; Springer representatives
11. Website and Newsletter; Weiliang Qiu / Jun Yan
12. Treasurers Report; Chiung-Yu Huang
13. Discussion and Other Business; Mei-Cheng Wang;
14. Socializing; All

*Jonathan Siegel, Secretary*

## LIDA-IG Activities at JSM 2017



I would like to thank all the invited session organizers who chose our interest group (LIDA-IG) as either the primary sponsor or a co-sponsor. Since we do not have allocation of invited sessions as an interest group, all the invited session proposals with our interest group as the primary sponsor went to the Leadership Support Council representative on the program committee, who determines which proposals are accepted for the interest group competition slots. Nonetheless,

we had achieved excellent appearance on the 2017 JSM Program with three approved invited sessions jointly sponsored by the LIDA-IG:

1. Sun, 7/30/2017, 4:30 PM–5:50 PM, CC-308, “Joint Modeling of Longitudinal Data, Recurrent Events and a Terminal event,” organized by Xuelin Huang with ENAR as the primary sponsor.
2. Mon, 7/31/2017, 10:30 AM–12:20 PM, CC-341, “New Advances in Statistical Methods for Complex Data,” organized by Kevin He with ICSA as the primary sponsor;
3. Tue, 8/1/2017, 2:00 PM–3:50 PM, CC-317, “Longitudinal /Repeated Measures and Terminal Events,” organized by Bin Nan with LIDA-IG as the primary sponsor;

As an interest group, we have allocation of one topic contributed session:

Wed, 8/2/2017, 10:30 AM–12:20 PM, CC-343, “Outcome-Dependent Sampling in the Survival Setting,” organized by Sebastien Haneuse.

Please mark your calendar and attend as many sessions as you can during the JSM 2017!

*Bin Nan, Program Chair 2017*

## Call for Session Proposals for JSM 2018



It is time to start planning for the JSM 2018 which will be held during July 28–August 2, 2018 in Vancouver, British Columbia, Canada. As an interest group, we receive no allocation of invited sessions at the JSM, until we obtain the Section status. Most of our presence in the invited sessions at JSM has to come from sessions that are jointly sponsored by the LIDA-IG, but are selected by other organizations (such as ENAR, WNAR, the Biometrics section, etc.). If you are proposing an invited session for JSM 2018 on lifetime data or related areas, please consider including the LIDA-IG as one of the three sponsors that you can name. You also need to name two other sponsors, which have invited sessions slots to enter to their competitions. If your session is selected as an invited one, then it will appear also as a LIDA-IG sponsored session in the JSM program. Proposals that do not get approved that way will enter a competition for seven sessions that have been allocated to the Interest Groups.

An invited session proposal only needs to include a session title, general description of the session, list of participants, and tentative presentation titles (can be modified later). If a proposal is not selected for an invited session, it can be re-submitted as a topic contributed session. Proposals for invited sessions are due at the beginning of September. The AMStat News article last year by Dr. Regina Liu, Program Chair of JSM 2017, is still a useful resource ([magazine.amstat.org/blog/2016/07/01/jsm17invited/](http://magazine.amstat.org/blog/2016/07/01/jsm17invited/)). More accurate information will be available after the JSM. Please keep the LIDA-IG in mind when you network with friends and colleagues on ideas for invited session proposals in Baltimore.

*Yu Shen, Program Chair 2018*

## Request for Proposals for Hosting the 2019 Lifetime Data Science Conference



The recent conference on Data Science, Precision Medicine and Risk Analysis with Lifetime Data at the University of Connecticut was an exciting and stimulating event in a wonderful venue. Thanks to Jack Kalbfleisch, Mei-Cheng Wang, Ming-Hui Chen and Jun Yan for putting together such a great program and ensuring smooth and comfortable local arrangements. The enthusiasm among those attending was so great that on the very first day of the conference several participants

mentioned the idea of a follow-up event. The calibre of the scientific program and the exceptional local arrangements of the first conference set a high bar, so we wish to start planning now.

The purpose of this note is to encourage proposals from institutions interesting in hosting a three day event which we plan to hold in May or June 2019. Proposals should be 2–3 pages and provide information on

- a list of members of a possible Local Arrangements Committee

- information on rooms for plenary sessions and the number of rooms for parallel sessions
- possible dates (Wednesday to Friday)
- audiovisual equipment
- proposed locations for reception and banquet
- local accommodations
- facilities for website development and promotion
- local map

Please consider submitting a proposal to Richard Cook (rjcook@uwaterloo.ca). Those received by October 1, 2017 will be reviewed and the Board will decide which to pursue by November 1, 2017.

*Richard Cook*, Chair-Elect

## Member Awards

**Richard Cook** Professor and Tier 1 Canada Research Chair in the Department of Statistics and Actuarial Science at the University of Waterloo, was awarded the 2017 Gold Medal of the Statistical Society of Canada. The Gold Medal is awarded to a person who has made outstanding contributions to statistics, or to probability, either to mathematical developments or in applied work. It is intended to honor current leaders in their field.

**Charles B. Hall** Professor in the Department of Epidemiology & Population Health and the Saul R. Korey Department of Neurology at Albert Einstein College of Medicine, was named 2017 Fellow of the ASA “for outstanding statistical contributions to cognitive aging research, neurology and respiratory health; for outstanding mentoring and service to the profession.”

**Xuelin Huang** Professor in the Department of Biostatistics at The University of Texas MD Anderson Cancer Center, was named 2017 Fellow of the American Statistical Association “for innovative statistical methods in survival analysis and clinical trial design, for important contributions to cancer research, and for using statistical approaches to deliver better therapy to patients and to influence national public health policy.”

**Jong-Hyeon Jeong** Professor and Interim Chair of the Department of Biostatistics, University of Pittsburg, was named 2017 Fellow of the ASA “for outstanding research in competing risks, residual life and survival analysis, for collaborative contributions to clinical trials on breast cancer; and for leadership and service to the profession.”

**Wenbin Lu** Professor in the Department of Statistics at North Carolina State University, was named 2017 Fellow of the ASA “for seminal work in survival analysis, especially on cure models, semiparametric inference, variable selection and optimal treatment regime estimation; for excellence in teaching and mentoring graduate students; and for service to the profession.”

**Limin Peng** Professor in the Department of Biostatistics at Emory University, was named the recipient of the 2017 Mortimer Spiegelman Award by the American Public Health Association (APHA), for her contributions to biostatistical methods (particularly with respect to quantile regression) and practice (her ongoing contributions to diabetes studies), her excellent mentoring of students and colleagues, and her service to the field. The

Mortimer Spiegelman Award is offered by the Statistics Section of the APHA to a statistician under the age of 40 every year since 1970 for contributions to public health statistics.

**Yanyuan Ma** Professor in the Department of Statistics at the Pennsylvania State University, was named 2017 Fellow of the ASA “for influential contributions to the theory, methodology and practice of semi-parametric methods, measurement error and latent variable models, and dimension reduction problems; and for excellence in mentoring.” Dr. Ma was also named 2017 Fellow of the Institute of Mathematical Statistics for “influential and original contributions to the development of dimension reduction techniques, and to semiparametric theory and methodology.”

**Marloes H. Maathuis**, Professor of Statistics at ETH Zurich, was named 2017 Fellow of the Institute of Mathematical Statistics “for influential and original contributions to the theory and methodology for high-dimensional graphical modeling, algorithms for structure search, and causal inference.”

**Mei-Cheng Wang** Professor in the Department of Biostatistics at Johns Hopkins University, was named 2017 Fellow of the Institute of Mathematical Statistics for “influential contributions to survival analysis, including theory and application of random truncation and recurrent event processes.”

**Jun Yan** Professor in the Department of Statistics at University of Connecticut, was awarded 2017 Fellow of the ASA “for outstanding statistical applications in environmental and public health, for research contribution in survival analysis and computational statistics, and for service to our profession.”

## New Articles in Lifetime Data Analysis

The July 2017 issue (Volume 23, number 3) of *Lifetime Data Analysis* has been published. The journal can be accessed at <https://link.springer.com/journal/10985>.

- Sequential tests for non-proportional hazards data *by* Matthias Brückner, Werner Brannath. Pages 339-352
- Penalized variable selection in competing risks regression *by* Zhixuan Fu, Chirag R. Parikh, Bingqing Zhou. Pages 353-376
- Analysis of two-phase sampling data with semiparametric additive hazards models *by* Yanqing Sun, Xiyuan Qian, Qiong Shou, Peter B. Gilbert. Pages 377-399
- Partitioned log-rank tests for the overall homogeneity of hazard rate functions *by* Yukun Liu, Guosheng Yin. Pages 400-425
- Estimation of average causal effect using the restricted mean residual lifetime as effect measure *by* Zahra Mansourvar, Torben Martinussen. Pages 426-438
- Semiparametric partially linear varying coefficient models with panel count data *by* Xin He, Xuenan Feng, Xingwei Tong, Xingqiu Zhao. Pages 439-466
- Mark-specific additive hazards regression with continuous marks *by* Dongxiao Han, Liuquan Sun, Yanqing Sun, Li Qi. Pages 467-494
- Generalized accelerated failure time spatial frailty model for arbitrarily censored data *by* Haiming Zhou, Timothy Hanson, Jiajia Zhang. Pages 495-515

*Mei-Ling Ting Lee*, Editor-in-Chief, *Lifetime Data Analysis*