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CAUCUS FOR WOMEN IN STATISTICS

NEWSLETTER

VOLUME 48, ISSUE 1 SPRING 2018



LETTER FROM THE PRESIDENT—BY Shili Lin

EDITOR:
ELENA RANTOU

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Greetings!

It is the best of times. It is the worst of times. The first three months of 2018 have witnessed a thriving and vibrant Caucus for Women in Statistics organization! So much progress has been made toward recognizing women for their far-reaching contributions to the statistics profession. The celebration of Women in Statistics in the International Month of Women is a testament to that. Yet women in statistics are not exceptions in being victims from abuse of power, and they continue to be marginalized in numerous situations. CWS will continue to work tirelessly toward its mission of fostering opportunities for the education, employment and advancement of women in statistics. We will also work to get our voices



heard, to stamp out abuse toward women, and to provide support to those who have suffered abuse of power. To achieve these goals, the participation of women from all over the world will be most critical. The whole is greater than the sum of its parts. Together, we are a force to be reckoned with, and I'm so thrilled to have the opportunity to help strengthen CWS as an advocate for women in statistics.

Many wonderful people, including elected officials and members, both men and women, have dedicated their time and energy to our common cause: the CWS mission. Our members have partaken in many uplifting and heartwarming actions, some of which have been featured on our website starting this year and will continue to be featured. The overwhelming response to the call for

donations to sponsor CWS memberships for women and men from third world countries is just one of the many inspiring acts our members have taken. Within a few minutes of sending out the email, we had our first donation, and within a couple of hours, we had six donations, and they keep coming! I feel extremely fortunate to have the opportunity to work with so many talented members who have volunteered their time to our organization - some for the first time! There are a number of initiatives that are being pushed out this year, and I call for you to volunteer and help make these goals come to fruition. Please contact the leaders! There are also a number of activities that are being organized and co-organized by CWS, which I have outlined in the following.

Initiatives. There are three initiatives that CWS is actively engaged in this year.

GEMS (Grassroots Effort of Members in Statistics). This committee is headed by Nancy Flournoy, with the overarching goal of reaching out to members of the statistical community in an effort to mobilize our members and recruit new members (men and women around the world at all stages of their professional careers). With this movement, CWS hopes to increase its visibility and further strengthen the organization to better fulfill its mission. Specific tasks that this committee is charged with include why join CWS, soft skills webinars, member recruitment and retention, and response to abuse of power in statistics. (continued on p. 2)

COOL (Committee Of Organizational Leaders). This committee is headed by Amanda Golbeck. The overarching goal of this committee is to work with leaders of other organizations (e.g. ISI, ENAR, WNAR, ASA, ICSA, IISA, KISS) to solve big problems related, but not limited to sufficient representation of women in conference sessions. We are also working on establishing more formal connections with these organizations to host hospitality tables and roundtable discussions, and to sponsor technical sessions.

SMART (Statistics, Meaningful, Achievable, Realistic, Timely). This committee is headed by Dong-Yun Kim, with the overarching goal of inspiring high school girls to consider a potential career in statistics and data science. We would like to mobilize our local leaders to visit their nearby high schools to talk to girls about the importance of statistics and data science, college majors that are related to these areas, and potential future careers in these areas. We are also working with the ASA Committee on Women (through our ASA liaison Donna LaLonde) to launch the inaugural Florence Nightingale Day in October 2018.

IBC 2018. In the upcoming International Biometric Conference (July 8-13) in Barcelona, Spain, CWS will have a hospitality table and will also be hosting a lunch roundtable discussion. Please consider volunteering at the CWS table and joining the lunch (you can make the selection when you register). If you are indeed heading to Barcelona for the IBC, we would love to hear from you to get some idea on how large the CWS contingent will be. Please email us at cwstatistics@gmail.com with the subject line IBC 2018.

JSM 2018.

1. We are very excited to announce that CWS has successfully competed for three invited sessions. In addition, CWS will sponsor two roundtable discussion sessions (one morning, one afternoon). CWS will likely be co-sponsoring other sessions as well, so be on the lookout for all CWS-involved activities. Congratulations to Nusrat, chair of the Program Committee, and her team on their success.

2. Please join us for the Reception and Business meeting on Monday evening (July 30). We successfully organized a lunch get-together in JSM 2017 with great turnout; therefore, CWS will organize a lunch again this year. We will provide details later as we need to avoid any conflicts with other CWS events.

3. Call for Volunteers: (a) We need table leaders for the First Timers Reception (Sunday 12:30-2:00 – free lunch is provided); (b) We need volunteers to staff the CWS hospitality table. Email Nusrat at programs@cwstat.org to let us

know you are willing to help.

WSDS 2018. The 2018 Women in Statistics and Data Science conference will take place from October 18-20 in Cincinnati, Ohio. CWS has a strong tie with WSDS, and a large number of our members have participated in past WSDS conferences. We hope to see the strong showing continue at this year's meeting. There is still time to organize a session – deadline for submission is April 19. For more information, please visit the ASA's official website for WSDS 2018 (<https://ww2.amstat.org/meetings/wds/2018/>).

ISI 2019. The 62nd International Statistical Institute (ISI) World Statistics Congress will be held on August 18-23, 2019, in Kuala Lumpur, Malaysia. Proposals for Special Topic Sessions can be submitted from April 15 to August 15, 2018. We hope members of CWS will submit proposals and attend the meeting. For detailed information, please visit the ISI 2019 website (<http://www.isi2019.org/>).

Elizabeth L. Scott and Florence N. David Lectures. CWS has reinitiated the proposal for named annual lectures in JSM (thanks to Nancy Flournoy and Amanda Golbeck for their leadership) which are being considered by the ASA Awards Committee and the COPPS executive committee. We were able to secure co-sponsorships from all major statistical organizations, including the ASA (Committee on Women in Statistics and the LGBT Concerns Committee), ISI, IBS/WNAR/ENAR, and SSC.

Enjoy the Spring,
Shili Lin, President

**DONATIONS FOR
CWS, AND
OUR AWARDS AND
SCHOLARSHIPS**

Give

The Caucus for Women in Statistics is organized exclusively for charitable, educational, and scientific purposes under section 501(c)(3) of the Internal Revenue Code. All donations are tax deductible.

<https://cwstat.org/membership/donate/>

On-the-Go Mentoring Program
By Donna LaLonde,
CWS Mentoring Committee Chair



Have you ever wondered...

How to get your research published? How to network successfully? How to increase your opportunities at work? The Caucus for Women in Statistics (CWS) On-the-Go (OTG) mentoring program is here for advice. OTG provides short-term mentoring to females who work in the field of statistics from school days through retirement.

The CWS OTG mentoring program was established in July 2017 to enhance professional careers, develop leadership potential and increase the active involvement of women in professional statistics communities. The OTG mentoring program is composed of two First Responders and five Committee members. When a request comes in, a First Responder will respond within three business days. Depending on the scope of the request, the First Responder may reach out to the Committee to identify additional resources and may provide referrals to long-term mentoring programs. The Committee's first responsibility is to support the First Responders. Committee Members are responsible for the continuity and success of the OTG program. See <https://cwstat.org/mentoring/> for more detailed information.

The First Responders and Committee Members are committed to providing timely and confidential support. See the following list for examples of mentoring needs:

- Having a gross miscommunication problem — that needs to be fixed ASAP;
- Avoiding misunderstandings in contract negotiations;
- Getting unexpected grades and/or performance evaluations;
- Finding opportunities at any level: graduate students, Masters and Phd;
- Identifying travel support opportunities for attending conferences;
- Receiving interviewing advice;
- Having clients who refuse to pay for services;
- Being sexually harassed by colleagues, bosses and/or clients;

- Receiving stereotypical sexist and/or racist comments from colleagues, bosses or clients;
- Dealing with a low-ball job offer or two competing offers (24-48 hours to respond);
- Responding to an opportunity to apply for a position above your current boss; and
- Taking a position that will distance you from doing statistical work.

The OTG mentoring is available only to CWS members (membership is free to students). To submit a mentoring request, visit our website at <https://cwstat.org/mentoring/> to complete the online request form once you have joined CWS.

Share your wisdom!

The On-the-Go Mentoring Program has a variety of volunteer mentoring opportunities. Please take time to review this [PowerPoint presentation](#) which provides an orientation to the OTG program. Then click the volunteer button at this [link](#) to indicate the opportunities of interest to you.

CWS NEEDS YOU!

As mentioned throughout this newsletter, volunteers are needed for

- GEMS (continuing education, membership, Me Too and More)
- COOL
- SMART
- Conferences: IBC 2018, JSM 2018, WSDS 2018, ISI 2019
- Committees: award nomination, officer nomination, social, programming, public relations, mentoring, resources, logo

Email volunteer@cwstat.org to volunteer or to learn more. We are excited that you want to get involved!

FYI - NEWS, REMINDERS AND UPCOMING EVENTS**BY ELENA RANTOU****WHY JOIN CWS**

Many statisticians ask us why join the Caucus for Women in Statistics (CWS) in addition to several other current professional organizations, and what benefits do members gain from joining.

A 'Caucus' is a meeting of supporters or members of a specific political party or movement (Wikipedia). The mission of the CWS is to enhance and promote women in statistics. This means, as a member, you become part of a community dedicated to the CWS mission, where you can join ongoing projects and/or recruit others to implement your vision.

Additionally, as a member, you obtain access to On-the-Go Mentoring, a program that provides 24-hour response from First Responders to career-related questions that arise in the course of your busy day. Leaders from the statistical community stand ready to help with questions requiring specialists. Furthermore, you can contribute to and/or take advantage of the Award Nomination Committee, Travel Awards, and a variety of initiatives advocating gender equality in all aspects of statistical community life.

We are an advocacy group, coming together to promote and recognize the success of women in statistics as well as striving for social justice.

<https://cwstat.org/about/why-join-cws/>

HARASSMENT LEADS TO A LOSS OF TALENT, INNOVATION IN SCIENCES—AAAS

"We lose talent, the immense talent that we are not exploiting, the new ideas that people who have left a field might have had and the kind of different thinking that leads to innovation," said Meg Urry, a professor and director of the Yale Center for Astronomy and Astrophysics.

The American Association for the Advancement of Science (AAAS) posted an article called Harassment Leads to a Loss of Talent, Innovation in Sciences Participants. The article details how other societies in science are addressing the sexual harassment issues that are affecting the advancement of science.

CWS LUNCHEON AT 2018 IBC (XXIX International Biometric Conference)

Are you attending the 2018 IBC (XXIX International Biometric Conference) in Barcelona, Spain, July 8-13, 2018?

CWS is sponsoring a luncheon meeting on 7/12/18:

Women in Statistics Luncheon Meeting (12:30 – 13:30) (<http://2018.biometricconference.org/conference-information/social-programme/>)

We are also in need of volunteers to help at the hospitality table—please email secretary@cwstat.org if you can help.

SIGNIFICANCE MAGAZINE’S 2018 WRITING COMPETITION FOR EARLY-CAREER STATISTICIANS IS UNDERWAY

It would be great if an early-career Caucus member would win the 2018 writing competition for *Significance Magazine*!

Here is the information (submission information is down the page):

<https://www.significancemagazine.com/component/content/article/10-news/579-our-2018-writing-competition-for-early-career-statisticians-is-underway>

DR. LARRY BROWN PASSED AWAY ON FEBRUARY 21

We are saddened by the news that Lawrence David Brown, Miers Busch Professor in Statistics at the Wharton School of University of Pennsylvania, passed away on February 21, 2018. Larry was a giant in statistics, admired by generations of statisticians, and a dear member of the Caucus for Women in Statistics. He and his wife, Linda Zhao, have been great supporters of women and young statisticians, impacting people near and far. We extend our condolences to Linda.

To view the obituary from the UPenn Statistics Department click [here](#).

Welcome! WSDS 2018

The American Statistical Association invites you to join us at the 2018 Women in Statistics and Data Science Conference in Cincinnati, Ohio.

WSDS will gather professionals and students from academia, industry, and the government who are working in statistics and data science. Find unique opportunities to grow your influence, your community, and your knowledge.

Whether you are a student, early-career professional, or an experienced statistician or data scientist, this conference will deliver new knowledge and connections in an intimate and comfortable setting.

Clip of Dr. Donna Brogan Keynote Address discussing CWS vs COWIS <https://cwstat.org/about/why-join-cws/>

WE WOULD LIKE TO HEAR FROM YOU!!!

Please send us your professional news, announcements, ads, thoughts and experiences or any other contributions to:

newsletter@cwstat.org

With subject: 'Caucus newsletter'

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CELEBRATING WOMEN IN STATISTICS

In honor of Women's History Month, we are celebrating ASA women who work in statistics and data science. These accomplished women were chosen because they inspired and influenced other women in their field.

Read their biographies and find out why they chose statistics, who influenced them and all they have accomplished.

<http://magazine.amstat.org/statisticians-in-history/wis/>

NEW CWS LOGO

Tired of the CWS logo or think it's boring? We agree! CWS is looking for a new logo design and is calling all CWS members to help create it. The winner will receive a free five year CWS membership (worth \$145!

Timeline:

April 30th – Logo submission deadline.

April 30th – May 7th – CWS Logo Selection Committee will vote on the top 10%.

Late May – Early June – CWS member voting time.

Mid-June – Winner will be notified.

July/August – Logo unveiling at JSM 2018 in Vancouver

Design Criteria:

Must contain "CWS".

The color scheme must include the original "teal" color: #87D2BB

Must be appropriate.

Submission:

Send an email to newlogo@cws.org with your first and last name, logo design, and your preferred email address.

ASA CONVENES TASK FORCE ON SEXUAL HARASSMENT AND ASSAULT

In November 2017, the ASA Board of Directors approved the formation of a [Task Force on Sexual Harassment and Assault](#).

The Task Force is charged with assessing the extent of sexual harassment in the ASA community and providing recommendations to the Board regarding policies and procedures to ensure the [conduct policy](#) is effective. The members of the task force have been appointed and, under the leadership of the chair, Leslie McClure, are beginning their work.

"The ASA has a long history of defining and supporting ethical practices in the statistical community," noted ASA Executive Director Ron Wasserstein. "I am taking the formation of this task force as an opportunity to reiterate the unacceptability of any form of harassment or bullying by any members of our community and to develop mechanisms to support our members who have suffered from these inappropriate behaviors. These are not behaviors that will be tolerated and are considered an unmitigated detriment to the advancement of scientific progress. Our conduct policy, which has been in place for several years, is clear about this."

Wasserstein also said acceptance of this policy is required to complete registration to all ASA-managed meetings.

"Nonetheless, we know there is more that needs to be done to ensure ASA activities are welcoming to all participants," Wasserstein said.

The task force is expected to report to the Board in July.

SEE OUR NEW FEATURE: STATISTICAL STORIES

<https://cwstat.org/publications/statistical-stories/>

<https://cwstat.org/publications/statistical-stories/story1-2018/>

<https://cwstat.org/publications/statistical-stories/story2-2018/>

MAILBAG / NEWSBRIEFS — BY JILL DEMATTEIS**About This Column**

The *Mailbag/Newsbriefs* Column provides a means of sharing news items with Caucus members. Mailbag items are generally personal news items—updates on members who have recently taken new jobs, received promotions, published articles or books, etc. Newsbriefs are brief summaries of noteworthy news items from newspapers, magazines, or websites.

Royal Statistical Society Creates Frances Wood Medal

An article published in *Significance* magazine (by Tim Cole, October 19, 2017, available at <https://www.significancemagazine.com/science/563-the-remarkable-life-of-frances-wood>) announced that the Royal Statistical Society (RSS) has established an award commemorating Frances Wood, a distinguished and accomplished statistician from the early 1900s. The article contains a fascinating bio of Frances Wood, detailing her numerous achievements in her brief career. (Tragically, she died at age 35.) The Wood Medal will honor distinguished individuals in the area of economic and social statistics.

12 Noteworthy Statistics

The U.S. Department of Labor blog “12 Stats About Working Women” (by Mark DeWolf, March 1, 2017, available at <https://blog.dol.gov/2017/03/01/12-stats-about-working-women>) gives some key statistics on education, workforce participation, and occupational involvement of women. Published during Women’s History Month, the piece contains statistics on the number of women in the civilian labor force (74.6 million), the likelihood of women (vs. men) to have earned a bachelor’s degree by age 29 (34% vs. 26%, respectively), and women’s representation in various occupations (e.g., 60% of pharmacists are women).

7 More Statistics To Consider

The blog “7 Statistics About Women’s Equality In America That Show The Fight Is Far From Over” (by Sarah Fielding, August 25, 2017, available at <https://www.bustle.com/p/7-statistics-about-womens-equality-in-america-that-show-the-fight-is-far-from-over-77336>) pulls statistics from various sources that demonstrate some the barriers still faced by women. For example, the article notes that only 32 Fortune 500 companies have a female CEO, that women only comprise 1/5 of Congress, and that the U.S. economic gender equality has declined (relative to other countries) in recent years.

WE WOULD LIKE TO HEAR FROM YOU!

Please send us your professional news, announcements, ads, thoughts and experiences or any other contribution to: newsletter@cwstat.org with subject ‘Caucus newsletter’.

Report on Joint Data Committee (JDC) meeting at the Joint Mathematics Meetings (JMM) in San Diego

By Ronghui (Lily) Xu

I attended the JDC meeting on behalf of CWS in San Diego on January 13, 2017. The meeting started with Tom Barr (from the AMS-ASA-MAA-SIAM Data Committee (JTDATA)) presenting the statistical report on the Annual Survey and Summary of Special requests for salary and other analyses for the committee.

This was followed by a discussion and presentation from the guests including myself, which was instructive to us in terms of how the CWS would like to consider interacting with the JDC in the future. For example, if their data can be useful for the missions of CWS, and if we would like to suggest additional data collection. There were three guest organizations present, besides the CWS.

—Representatives from Transforming Post-Secondary Education in Mathematics (TPSE-Math) explained their vision for how TPSE-Math and the JDC can work together toward a better understanding of student pathways through undergraduate curricula and career outcomes. The organization's focus is political, in terms of advocacy for higher education. The presentation was rather extensive, and the eventual request to the JDC was for data on demand about math and its contribution to the economy, such information being useful to legislators, as well as where students go after graduation.

—The National Association of Mathematicians (NAM) is open to all, but has a focus on registering all African American PhD's. The representatives asked the JDC to collect data on AMS race/ethnicity among members. There was discussion on how best to collect such data, including a statement on the purpose of this, and about referring AMS members to NAM.

—The Association of Women in Mathematicians asked for data on "quitting" i.e. students leaving a graduate program, and students who were helped to transfer to somewhere else (successfully).

The meeting continued with a report on the Conference

Board of the Mathematical Sciences (CBMS) 2015 survey, which will be available on its website in April. The report included among many other things, what types of qualifications people have that teach statistics.

The new business part included a report on ASA data collection. The Annual Survey here uses the ASA salary data, but otherwise collects its own data on statistics and biostatistics. The ASA salary data is detailed in terms of the rank of a faculty member (assistant, associate, full) and the number of years they are in that rank. The ASA also collects data on statisticians working in government and industry. A new effort by the ASA starting in 2016 is to collect data on statisticians with Bachelor degrees.

The meeting ended with thoughts on improving data collection and usage.

CWS thanks Ronghui Xi for attending this meeting on our behalf!

JOB ANNOUNCEMENTSUNIVERSITY OF MICHIGAN
DEPARTMENT OF BIostatISTICS

Tenure-track Assistant Professor Position at the University of Michigan, Department of Biostatistics

The Department of Biostatistics at the University of Michigan is seeking applicants for a tenure-track Assistant Professor faculty position to begin in Fall 2018. Candidates must have a strong research background with a doctoral degree in biostatistics, statistics, mathematics, the computational sciences or a related field. Candidates being considered for this position will be expected to develop an outstanding research and teaching program. A particular focus of this search is on candidates that would be interested in high priority emerging areas of biostatistics, especially with respect to methodology for dealing with statistical learning, methods for data visualization, methods for combining different models in ensemble analyses, methods for the analysis of electronic health records, causal inference, high-dimensional data, precision medicine and genomics. Excellent candidates with other research focus will also be considered and are encouraged to apply.

The Department of Biostatistics has 38 faculty members and over 150 full-time PhD and Master's students. The Department is involved in cutting edge methodological research and scientific investigation in many areas of biomedical and public health research. The Department has close links with the Department of Statistics, the Institute for Social Research, the Medical School, the Michigan Institute of Data Science and other research groups across campus.

The University of Michigan offers competitive salaries and excellent benefits. Ann Arbor is a progressive city of about 118,000 year-round residents, and approximately 43,000 students, with excellent schools and a wide variety of sporting and musical activities. It is rated very highly in national surveys for its quality of life and has the amenities of a city many times its size.

Consideration of applications will begin immediately and will continue until the position is filled. Interested applicants should visit https://sph.umich.edu/biostat/faculty-research/job_postings.html for more information. Applicants will be asked to upload a CV, a statement of research interest, a statement of teaching interest, the names of three references and academic transcripts (if a recent graduate).

The University of Michigan is an affirmative action/equal opportunity employer. Applications from women and minorities are welcomed and strongly encouraged.

COLORADO STATE UNIVERSITY
DEPARTMENT OF STATISTICS

The Department of Statistics at Colorado State University (CSU) invites applications for a tenure track position. The appointment will be at the Assistant Professor level with duties commencing August 2018. A Ph.D. in statistics or biostatistics and a commitment to high-quality research in statistics and excellence in teaching are required. We seek exceptionally strong candidates with research backgrounds and interests related to environmental biostatistics and who will be active collaborators with environmental epidemiology faculty in CSU's Department of Environmental and Radiological Health Sciences (<http://csu-cvmb.colostate.edu/academics/erhs/Pages/Epidemiology.aspx>). The position requires a strong commitment to interdisciplinary research and education.

A complete application includes a cover letter, CV, graduate transcripts, teaching and research statements, and three letters of reference. The CV and cover letter must address teaching experience. More details on preferred qualifications and complete application instructions can be found <http://jobs.colostate.edu/postings/50968>. Applications completed by November 27, 2017 will receive full consideration, but applications will be accepted after this date until the position is filled. The Department of Statistics is committed to diversity and inclusion and expects candidates to have the ability to advance the department's efforts in these areas. CSU is an EO/EA/AA employer and conducts background checks on all final candidates.

JOB ANNOUNCEMENTS**PURDUE UNIVERSITY
DEPARTMENT OF STATISTICS**

The Department of Statistics at Purdue University seeks to hire two tenure-track Assistant professors to begin in August 2018 in the area of data science and machine learning. Applicants with interests in novel computational and methodological approaches to complex data, as well as applicants with foundational interests in the computational theory for complex data will be considered.

The Department of Statistics offers a stimulating and nurturing academic environment with research programs in a broad-range of areas, including bioinformatics, computational statistics, data science, mathematical statistics, probability, and spatial statistics. These positions will be split between the Department of Statistics (75%) and the Department of Computer Science (25%), joining other faculty with joint appointments in Computer Science or other departments. Further information about the department is available at <http://www.stat.purdue.edu>.

All applicants should hold a Ph.D. in Statistics or a related field by the time of employment, and be committed to excellence in research and teaching. Salary and benefits are highly competitive. Please visit <http://www.stat.purdue.edu/hiring/> to apply. A background check will be required for employment in this position.

Review of applications will begin on December 1, 2017 and will continue until the position is filled. Purdue University's Department of Statistics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion.

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

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JOB ANNOUNCEMENTS

ARIZONA STATE UNIVERSITY

School of Mathematical and Statistical Sciences

An Equal Opportunity/Affirmative Action Employer

RTG Postdoctoral Research Associate in Statistics and Applied Mathematics (JOB#12233)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for an entry-level non-tenure-track position at the rank of Postdoctoral Research Associate starting in the Fall 2018 in association with our NSF-funded Research Training Group (RTG) in Applied Mathematics and Statistics. This full-time, benefits-eligible position is renewable on an annual basis for up to three academic years, contingent upon satisfactory performance, availability of resources, and the needs of the university. Applicants must be within five years of receipt of their PhD to be considered for initial appointment or subsequent annual renewal.

The goal of this RTG is to address the challenges of rigorous analysis of data, particularly with very large data sets, by integrating three crucial areas: (i) statistics, (ii) computational mathematics, and (iii) applied harmonic analysis. Examples of research questions to be addressed by the synergy of these disciplines include (but are certainly not limited to): 1) finding and analyzing efficient and adaptive data collection strategies in sequential experimental design, 2) reconstructing a signal or image from incomplete or noisy data sources, 3) devising measurement and other data collection strategies that optimize the value of the data in subsequent statistical tests or estimators, and 4) developing new computationally efficient mathematical and statistical models and procedures for exploring and analyzing very large data sets. More details are available in the NSF award abstract. Summer research support is provided for the first summer of the appointment along with an allowance for professional travel.

The duties of this position involve research in an area of statistics and/or applied mathematics that is consistent with the goals of the RTG along with a teaching load that is two courses per year. Applicants are required to have a Ph.D. in the mathematical or statistical sciences, or in a closely related field, by August 10, 2018; and the potential for excellent teaching and research. Consistent with NSF's eligibility guidelines for the RTG award, the successful candidate must be a citizen, national, or permanent resident of the United States by the time of appointment. The preferred qualifications include an established track record of research in applied mathematics, computational mathematics or statistics and an ability and willingness to learn from and collaborate with researchers in the other two areas.

SoMSS currently has 53 full-time tenured or tenure-track

faculty members and approximately 85 supported Ph.D. students. The School offers bachelors, masters, and Ph.D. programs in statistics, applied mathematics, mathematics, mathematics education as well as an undergraduate program in actuarial science. SoMSS has excellent computing resources that include individual faculty workstations, several high-performance servers and a small cluster, as well as access to the University's central computing facilities and the High Performance Computing Initiative.

SoMSS has a strongly interdisciplinary research profile within the mathematical sciences that includes numerous collaborations inside and outside the university, such as in the biological, environmental, medical, physical and social sciences, education, and multiple areas of engineering. There are numerous opportunities for collaboration with interdisciplinary centers and institutes, such as the Translational Genomics Research Institute (TGen), the Biodesign Institute (which includes centers specializing in the nanobiosciences, bioengineering, genomics, and vaccinology), the Institute for Social Science Research, the new College of Health Solutions, the Global Institute of Sustainability, and the nearby Mayo Clinic. The Tempe campus of Arizona State University has approximately 60,000 students. It is located in the rapidly growing metropolitan Phoenix area, which provides a wide variety of recreational and cultural opportunities. The surrounding countryside is very attractive to outdoor enthusiasts who enjoy hiking, biking, skiing, and other activities in the exquisite Arizona canyon lands and mountainous terrain.

To apply, please submit the following through <https://www.mathjobs.org/jobs/jobs/11454>:

- 1) A cover letter that briefly explains the candidate's interest in, and fit with, the position;
- 2) a curriculum vitae;
- 3) a personal statement addressing the candidate's research program;
- 4) a statement of teaching experience and philosophy;
- 5) at least four letters of recommendation that must be submitted through mathjobs; one of these letters should address the candidate's teaching qualifications

Review of applications will begin on January 5, 2018, and continue until the search is closed. A background check is required for employment.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. <https://www.asu.edu/aad/manuals/acd/acd401.html> <https://www.asu.edu/titleIX/>.

JOB ANNOUNCEMENTS**MAYO CLINIC
DIVISION OF BIOMEDICAL STATISTICS AND INFORMATICS**

The Division of Biomedical Statistics and Informatics at Mayo Clinic is seeking applications for biostatistics faculty positions with collaborative experience. Candidates will be responsible for leading the statistical component of multidisciplinary teams, interacting with collaborators across a broad spectrum of clinical and translational research, and advancing statistical research activities at Mayo Clinic.

QUALIFICATIONS

- PhD in biostatistics or a closely related field
- At least one year post graduate experience
- Demonstrated collaborative research success, with statistical genomics, predictive modeling, or imaging expertise preferred
- Demonstrated ability to publish in high-quality, peer-reviewed journals as first or senior author
- Leadership experience, especially of a team of bachelors- and masters-trained statisticians, informaticians, or programmers
- Experience presenting research at national or international forums.

MAYO CLINIC is an integrated, multidisciplinary academic medical center and supports a vibrant and diverse research enterprise, with programs in basic, translational, clinical and population sciences that span across three group practice and research sites. Mayo has world-class faculty, laboratories and state-of-the-art core facilities and biorepositories. We offer a highly competitive compensation package, technical and computational resources and exceptional benefits.

TO APPLY or learn more about the position please visit our website at mayoclinic.org/scientist-jobs and reference posting 91352BR. Applications should include a cover letter, CV, and a statement of research interests.

Specific questions should be directed to:

Jeanette Eckel-Passow, PhD, Search Committee Chair

C/O Jennell Prentice Endrizzi

Prenticeendrizzi.Jennell@mayo.edu

JOB ANNOUNCEMENTS**UNIVERSITY OF WATERLOO**

The Department of Statistics and Actuarial Science in the Faculty of Mathematics at the University of Waterloo invites applications for two definite-term lecturer positions. These appointments have an initial term of three years (renewable) with an expected start date of September 1, 2018. Candidates must possess a graduate degree in an area of actuarial or statistical sciences. Professional actuarial qualifications and experience would be a distinct asset. Applicants must have excellent communication skills, a strong commitment to undergraduate education, and ideally at least one year of teaching experience in statistics or actuarial science. Duties will include teaching six courses per year and service/administrative work within the University.

The University of Waterloo is one of Canada's leading universities with more than 30,000 full and part-time students in undergraduate and graduate programs. The Department of Statistics and Actuarial Science is one of the top academic units for the statistical and actuarial sciences in the world and is home to more than 40 research active full-time faculty. It offers a vibrant research environment for a wide range of areas and benefits from close relationships with several research groups on campus. The Department is also home to about 900 undergraduate students and over 150 graduate students in programs including Actuarial Science, Statistics and Biostatistics.

Interested individuals should apply using MathJobs (www.mathjobs.org/jobs). Applications should include a cover letter, a curriculum vitae, a teaching statement and teaching evaluation summaries (if available). In addition, applicants should arrange to have at least three reference letters submitted on their behalf. We will review complete applications on an ongoing basis and accept applications until the positions are filled, with applications received by March 1, 2018 receiving full consideration. The salary offered will be commensurate with qualifications and experience. The salary range for this position is \$70,000 to \$100,000. Negotiations beyond this salary range will be considered for exceptionally qualified candidates.

Please address any inquiries to
Stefan Steiner, Chair
Department of Statistics and Actuarial Science
University of Waterloo
200 University Avenue West
Waterloo ON N2L 3G1, CANADA
sas-chair@uwaterloo.ca

The University of Waterloo respects, appreciates and encourages diversity and is committed to accessibility for persons with disabilities. We welcome applications from all qualified individuals including women, members of visible minorities, Aboriginal peoples and persons with disabilities. All qualified candidates are encouraged to apply; however,

Canadian citizens and permanent residents will be given priority in the recruitment process.

Three reasons to apply: <http://uwaterloo.ca/fauw/why>.

**CAUCUS FOR WOMEN IN STATISTICS
MEMBERSHIP/RENEWAL/CONTRIBUTIONS FORM**

To Join the Caucus

Go to our website: <http://cwstat.org/membership/available-memberships/>
or

Complete this form and mail it, along with a check made out to the Caucus for Women in Statistics,
to: Anna Nevius, Treasurer, 7732 Rydal Terrace, Rockville, MD 20855-2057

MEMBERSHIP

Membership in the Caucus is open to interested women and men without regard to membership in any other professional society. The Caucus has regular and associate (available for retirees, students and unemployed) memberships. All categories of membership are available for individuals and couples. Membership benefits apply to all dues categories.

To Join the Caucus

Go to our website: cwstat.org or
Complete this two-sided panel and mail it, along with a check made out to the *Caucus for Women in Statistics*, to:
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Membership Fees

New Member—Student free	\$ _____	0
New Member: \$10.00	\$ _____	
Associate (Student, retired, unemployed) : \$10*	\$ _____	
Regular Individual: \$30*	\$ _____	
Regular Couple: \$35*	\$ _____	
Individual, 5 years: \$145*	\$ _____	
Couple, 5 year: \$170*	\$ _____	
Life Membership ((70-current age)x \$30 x 0.8)	\$ _____	
Member in Training (MIT) - high school	\$ _____	0
Third World Country Membership: \$10	\$ _____	

Contributions

Caucus General Fund	\$ _____
Cox Scholarship Fund	\$ _____
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Caucus Travel Fund	\$ _____
Sponsored Membership Fund	\$ _____

TOTAL

Fees and Contributions \$ _____

Dues must be paid in US or Canadian dollars.

*Automatic Renewal is now enabled online.

NAME: _____

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Do you wish to receive Caucus emails? Yes _____ No _____

Highest Degree: _____ Year Received: _____

Institution: _____

EMPLOYMENT SETTING (check all that apply):

- Government Industry Academia
- Self-employed
- Other: _____

Highest Degree: _____

Year Received: _____

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I would like to volunteer to: (Please check)

- Serve as Officer
- Serve on a Committee
- Be a Mentor
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- Modernize the Caucus through Web & SNS
- Newsletter
 - Submit Regular Column
 - Write Article
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 - Organize a Session
 - Lead Round Table Discussion
 - Sit at Hospitality Table

Other: _____

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- American Statistical Association
- International Statistical Institute
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- Population Association of America
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- Other: _____

AREA OF STATISTICS: (Please check all that apply)

- Biostatistics
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