

MAA So Cal-Nev Spring Mtg/Pacific Coast Undergraduate Mathematics Conference

California Lutheran University

March 14, 2015

CAREER PANELISTS

Kellie Byward, Attorney, San Bernardino County Public Defender

Kellie Byward is a criminal defense attorney in the San Bernardino County Public Defender's Office. She graduated from Loyola Marymount University with a Bachelor of Science in Mathematics. Kellie earned her Juris Doctorate from the University of California Hastings and was admitted to the California Bar in 2006. After clerking for a judge in the San Francisco Law and Motion department, Kellie joined the Public Defender's office as a trial attorney in 2007. Kellie has tried over fifty cases, including felony and misdemeanor jury trials and juvenile court trials. Every fall, Kellie coaches a high school mock trial team in Apple Valley. Kellie is currently working with other attorneys and a social worker in her office to create a support program for children with incarcerated parents.

Anne-Marie Delfosse, Math Content Architect, ALEKS

Anne-Marie Delfosse is a Math Content Architect for ALEKS at McGraw-Hill Education. She received her undergraduate degree in Applied Mathematics from University of California, Los Angeles in June 2010. Shortly after graduating, she was hired as a Math Quality Control Specialist at ALEKS Corporation in Irvine. As a Math QC Specialist, she works to verify the mathematical correctness of math problems in ConnectMath for McGraw-Hill, and checks that the various new features of ALEKS work efficiently. While working as a QC Specialist, she received a Master of Science in Applied Mathematics from California State University, Long Beach in December 2014. In the midst of graduating she moved from the Quality Control Department to the Content Department at ALEKS, where she is now a Math Content Architect. Currently, she and her colleagues are working on writing new Geometry problems in order to meet the requirements of the Common Core State Standards for Geometry.

Dena Lordi, Diamond Bar High School

Dena Lordi is a National Board Certified Teacher in Adolescent and Young Adult Mathematics and is a member of the California Teacher Advisory Council. She currently works as a mathematics teacher and as the coordinator of the International Baccalaureate Diploma Program at Diamond Bar High School in Diamond Bar, California. Dena has a Bachelor of Science degree in mathematics from the University of Notre Dame and a Master of Arts degree in mathematics from UC, San Diego. Outside of her 27 years of teaching, coaching, and advising at DBHS, her job experience also includes programming for the Peacekeeper Targeting Project at TRW Space and Defense Group, teaching statistics at Orange Coast College, and teaching a logic and verbal reasoning course for high school students at Xavier University in New Orleans. For the 1996 - 97 school year, Dena was a Fulbright Exchange Teacher at Tisand Technical College in eSikhawini, South Africa. In 2001, Dena was recognized as one of 12 Los Angeles County Teachers of the Year. Her current teaching load includes the IB course Theory of Knowledge. This is a seminar/writing course that requires students to make connections between the disciplines. The concepts rely heavily on a theoretical understanding of mathematics as a way of knowing.

Kim Sacra, National Security Agency

In 2006, Kim started as a mathematician at the National Security Agency (NSA), the single largest employer of mathematicians in the United States. Its mission is to collect information from foreign signals and to prevent foreign adversaries from gaining access to national security information. Kim most recently served as the NSA Mathematics Hiring Manager. Previously, Kim worked as a Cryptographic Vulnerability Analyst, evaluating commercial cryptographic products and protocols.

Prior to her job at NSA, Kim worked as a high school mathematics teacher in Baltimore County, Maryland. She earned her Bachelor's in Mathematics from Bucknell University in 2004, her Master's in Applied and Computational Mathematics from Johns Hopkins University in 2009, and is currently pursuing a Master's in Computer Science from Johns Hopkins University. In addition to her position at NSA, Kim is currently an adjunct faculty member at Harford Community College.

Enrique Schulz, Actuarial Consultant, Mercer Consulting

Enrique Schulz is part of Mercer Consulting as an Actuarial Associate at the Los Angeles office. He has been with Mercer since 2011 helping clients under the Employee Health and Benefits department. His role includes providing clients with actuarial and financial reports, forecasting liabilities, and medical benefit plan management, among other human resource services. Prior to his employment at Mercer, Enrique worked for Towers Watson as a Retirement Actuarial Analyst where he learned key concepts about pension and retiree medical management consulting.

Enrique is currently working to become a Fellow of the Society of Actuaries and is a member of the Society of Industrial and Applied Mathematics. He received a Master of Science in Statistics from the University of Massachusetts, as well as a Bachelor of Science in Applied Mathematics, Bachelor of Arts in Spanish, and a minor degree in Business from Loyola Marymount University. During his spare time, Enrique also serves as the Chair of the LMU Young Alumni Leadership Board and is an active member of the Los Angeles Rugby Club.

SUPERVISING UNDERGRADUATE RESEARCH PANELISTS

Scott Annin, CSU Fullerton

Scott Annin received his PhD from the University of California Berkeley in 2002, right before joining the faculty at California State University, Fullerton. He has mentored nearly 20 undergraduate students in pure mathematics and considers his involvement with students in research a primary driving force in his scholarly agenda. His students, some of whom are recent graduates of or current students in PhD programs, have presented research at AMS, MAA, and PCUMC conferences, and published articles in a wide range of research outlets. Annin is co-Director of an NSF grant aimed to support underrepresented students at Fullerton in their pursuit of graduate school through such activities as undergraduate research.

Stephan Ramon Garcia, Pomona College

Stephan Ramon Garcia is associate professor of mathematics at Pomona College and the author of almost sixty research articles (many with undergraduates) in operator theory, complex analysis, linear algebra, and number theory. He is an editor of the journal *Involve* and he has also mentored faculty on supervising undergraduate research as part of the *Research Experiences for Undergraduate Faculty* (REUF) program. He has received three NSF research grants and five teaching awards from three different institutions. He has been involved in the governance of the American Institute of Mathematics (AIM) since 2008.

Rebecca Head, Bakersfield College

Rebecca Head is a Professor of Mathematics at Bakersfield College. She earned her M.S. in Mathematics at Cal State Northridge, but is still loyal to Colorado, where she grew up and earned her B.S. in Chemical Engineering at the University of Colorado. This mixture of degrees explains why she especially enjoys applied mathematics and working with students on math projects. Rebecca has served as an advisor, judge, and supporter of the student poster projects at the MAA spring meetings since 1999.

Min-Lin Lo, CSU San Bernardino

Min-Lin Lo is associate professor at California State University, San Bernardino (CSUSB). She supervised 4-5 CSUSB minority students per year since 2010 to work on open problems with the support of MAA's National Research Experience for Undergraduates Program (NREUP). She is also a co-PI of an NSF grant (Proactive Recruitment in Introductory Science and Mathematics (PRISM)), for which she mentored 4-6 freshmen and sophomores per year since 2011 in summer research projects. Lo obtained a new grant (Preparing Undergraduates through Mentoring towards PhDs-Undergraduate Research Groups (PUMP-URG)) in 2014 to support two research students during the 2014-2015 academic year.

Sam Nelson, Claremont McKenna College

Sam Nelson received his PhD from Louisiana State University in 2002. Since then he has taught mathematics at Whittier College, The University of California at Riverside, Pomona College, and Claremont McKenna College, where he is currently an Associate Professor. He currently holds a Simons Foundation collaboration grant and is a coauthor of the soon-to-be-published first textbook on quandle theory. He has published over 50 original research articles, around 30 of which have undergraduate coauthors.