Peder Sather Center for Advanced Study
University of Oslo Visit to UC Berkeley Sunday-Tuesday October 14-16 2018
Rector Svein Stølen, Vice-Rector Åse Gornitzka, Senior Adviser Svein Hullstein

Sunday October 14, 2018

14:30 Departure from Hotel Shattuck Plaza to SFMOMA
with Liv Duesund and Trond Petersen
15:00 SFMOMA, San Francisco
Visit to Museum and the Recent Snøhetta Addition to the Museum
16:45 Reception at Norwegian Consul General Jo Sletbak, San Francisco
18:00 Dinner at Bambino's Ristorante, San Francisco

Monday October 15, 2018

08:15 Campus Tour of University of California, Berkeley
Meet at The Sather Gate (Main entrance to Campus)
Liv Duesund

08:45 Peder Sather Center for Advanced Study, Barrows Hall

09:00 The U.S. System of Higher Education, Berkeley's Role and Research Portfolio
Trond Petersen, Academic Director, Peder Sather Center for Advanced Study

10:00 Future of Peder Sather Center for Advanced Study
Carla Hesse, Executive Dean, College of Letters & Science
Co-Chair Executive Committee, Peder Sather Center for Advanced Study
Trond Petersen, Associate Executive Dean, College of Letters & Science
Academic Director, Peder Sather Center for Advanced Study
Liv Duesund, Professor University of Oslo, Research Scientist UC Berkeley
Special Adviser to the Peder Sather Center for Advanced Study

12:00 Lunch at The Women's Faculty Club

13:30 Collaborations with Japan and Studies of Japan
Dana Buntrock, Professor Architecture, Director of Center for Japanese Studies
Kumi Sawada Hadler, Program Director Center for Japanese Studies
Junko Habu, Prof. Anthropol., Research Institute for Humanity and Nature, Kyoto
Andrew Barshay, Professor History
Takaharu Tezuka, Professor at Tokyo City University and UC Berkeley affiliate

14:00 Biology Research Initiatives
Mike Botchan, Dean of Biological Sciences
Member Executive Committee, Peder Sather Center for Advanced Study

14:30 Berkeley's Research Strategy
Jennifer Johnson-Hanks, Co-Chair of UC Berkeley Strategic Planning Committee,
Chair of Committee on Academic Planning and Resource Allocation

15:00 Presentations from Six Recipients of Peder Sather Grants from Multiple Fields
Presentations for 10-15 minutes and 5 minutes for questions
15:00-15:20 Lisa Barcellos (project with UiO)
15:20-15:40 Shachar Kariv (project with NHH)
15:40-16:00 Greg Niemeyer (project with UiO)
16:00-16:20 Marla Feller (project with UiB)
16:20-16:40 Daniel M. Kammen and Christopher Jones (project with NTNU and UiT)
15:20-15:40 Jasmina Vujic and Aaron Hurst (project with UiO)

18:00 Departure for San Francisco from Hotel Shattuck Plaza

19:00 Dinner at Hon. Consul General of Sweden Mrs. Barbro S. Osher and Mr. Bernard Osher, San Francisco

Tuesday October 16, 2018

10:00 Meetings with visiting students from the University of Oslo
Meet students from a few fields
Venue: Café Strada, corner of College Ave and Bancroft Way, UC Berkeley

12:00 Lunch on Campus

14:00 Departure for San Francisco International Airport (SFO)

Venues for Program

Sunday:

14:30 Hotel Shattuck Plaza, 2086 Allston Way, Berkeley, CA 94704
15:00 San Francisco Museum of Modern Art (SFMOMA), 151 3rd St, San Francisco, CA 94103
16:45 1394 Masonic Avenue, San Francisco CA 94117
18:00 Bambino's Ristorante, 945 Cole St, San Francisco

Monday:

08:15 Sather Gate, UC Berkeley
08:45 Peder Sather Center, Barrows Hall, UC Berkeley
18:00 Hotel Shattuck Plaza, 2086 Allston Way, Berkeley, CA 94704
19:00 611 Washington Street, San Francisco, CA 94111

Tuesday:

10:00 Caffé Strada, 2300 College Ave, Berkeley, CA 94704

Email and Cell Phone Contacts:

Liv Duesund <liv.duesund@isp.uio.no>, Cell 1-510-378-8827
Trond Petersen Main <Trond.Petersen.Main@gmail.com>, Cell 1-510-965-3441

Biosketches (in the Order of Appearance in Program)

Liv Duesund

Education

- Dr. scient. (PhD) in Special Needs Education. University of Oslo, Norway, 1994.

Employment history

- Project Scientist at the University of California, Berkeley 2014-.
- Special Advisor at Peder Sather Center for Advanced Study, University of California, Berkeley, 2013-.
- Professor at the University of Oslo, Norway, fall 2006-.
- Leader of the student-exchange program between the Faculty of Educational Sciences, University of Oslo and the University of California, Berkeley, 2006-.
- Guest professor at the University of Virginia, USA, spring 2006.
- Visiting Scholar at the Department of Philosophy, University of California, Berkeley, fall 2004 and spring 2005.
- Guest professor at Linköping University, Sweden, spring 2001.
- Leader of the student exchange program between the Norwegian School of Sport Sciences and the University of California, Berkeley, 1997-2006.

Leadership Roles

- Head of international collaborative research project "A Comparative Study of Disruptive Behavior between Schools in Norway and the United States" at the University of Oslo and University of California, Berkeley, 2010-2017.
- Leader of the project for establishing the "Norwegian Peder Sather Center for Advanced Study" at The University of California, Berkeley, 2006-2012.
- Head of Erasmus Mundus' master programme at the Norwegian School of Sport Sciences, 2004-2006.
- Member of the Erasmus Mundus' Consortium at the Katholieke Universiteit Leuven, Belgium, 2004-2006.

Svein Stølen

Svein Stølen is Rector of the University of Oslo for the period 2017-2021. The Rector has ultimate responsibility for the academic activities at the University of Oslo (UiO) and is Chair of the University Board. He is also the institution's legal representative and spokesperson in dealings with the general public and government authorities.

The Rector is the university's highest official representative, and sees to the maintainance and establishment of external cooperation and interests. He shall work for cooperation with business and industry, public enterprises and other educational institutions. The Rector shall also protect UiO's interests in dealings with national and local authorities and establish academic networks at national and international levels.

The Rector has responsibility for academic and internal cooperation with the faculties and research centres. This work includes both day-to-day issues and issues of a more general strategic nature. The Rector also has responsibility for conducting a good and ongoing dialogue with the students.

The Rector shall place an emphasis on executing his leadership of academic activities by serving as an inspirer, a cultural bridge-builder and an initiator

Background:
Rector Svein Stølen was a professor of inorganic chemistry, and have had extended research stays in Nagoya (2 years) and Bristol. He chaired the Department of Chemistry for 4 years (2009-12), and the Centre for Materials Science and Nanotechnology. He has recently been member of the board of the Institute for Energy Technology, CIENS (the collaboration platform between UiO and the institute sector within environmental science), NANO2021 (the nanotechnology programme of the National Research Council (NRC), the board of the NRC Division for Science (2015-17). Before becoming rector he chaired the board of the largest UiO strategic commitment ever, the UiO: Life sciences-initiative, and was board member of a second UiO strategic initiative, UiO:Energy. Earlier he has chaired the board of the national centre Digital Life Norway.

Åse Gornitzka

Åse Gornitzka is Vice-Rector of the University of Oslo for the period 2017-2021.

Academic Interests:

Public policy and public administration
Organisation theory and institutional theory
EU governance and decision making, multilevel administration
Public reforms and organisational change
Informational foundations of public policy
Knowledge policy

Higher education and employment history:

Degree in political science from University of Oslo and Doctoral degree from Faculty of Public Administration, University of Twente, Researcher at Arena Centre for European Studies, University of Oslo from 2004.

Board member SCANCOR The Scandinavian Consortium for Organizational Research - SCANCOR Stanford University /SCANCOR Weatherhead Center, Harvard University

I'm blogging with the rest of the team at Rector's blog.

Svein Hullstein

Senior Adviser

Responsibilities:

International Relations

- Supporting the University Management's need for long-term strategic planning
- Initiation, follow-up, and coordination of strategic processes and development of policy within the area of internationalization
- Advising and case preparation for the University Management
- Assisting the University Management in their communication with external partners

Trond Petersen

Trond Petersen is a Professor in the Department of Sociology and in the Haas School of Business at the University of California, Berkeley. He has previously served on the faculties at Harvard University (1985-1989) and the University of Oslo (1992-1993 and 1996-1997). He currently serves as an Associate Dean of the Division of Social Sciences at the University of California, Berkeley. He has published widely in the fields of inequality and quantitative methods. He has received several Awards and Prizes for Research, Teaching, and Academic Leadership:

Research:

- 2018: Honorary Doctorate, BI Norwegian School of Business
- 2015: Best article award American Sociological Association
- 2014: Best English language article Norwegian Sociological Association
- 2013: Member (elected) of The Norwegian Academy of Science and Letters
- 2012: Honorary Doctorate (doctor honoris causa), University of Agder
- 2009: Member (elected) The Royal Norwegian Society of Sciences and Letters
- 2005: Best article award (James S. Coleman Award) from the American Sociological Association
- 2000: Member (elected) of European Sociological Association
- 2000: Elected fellow, Center for Advanced Study in the Behavioral Sciences. Stanford, Palo Alto. Declined.
- 1993: Member (elected) of Sociological Research Association

Teaching:

- 2002: Earl F. Cheit Award for Distinguished PhD level Teaching, University of California, Berkeley
- 1994: Earl F. Cheit Award for Distinguished PhD level Teaching, University of California, Berkeley
- 1992: Earl F. Cheit Award for Distinguished PhD level Teaching, University of California, Berkeley

Administration and Leadership:

- 2017: The 2017 Faculty Service Award, The Academic Senate, University of California, Berkeley
- 2011: Distinguished Service Award from Division of Social Sciences, University of California, Berkeley

Leadership within Academic Field and Academia:

- 2012: Knight, First Class, of The Royal Norwegian Order of Merit (Ridder av første klasse, Den Kongelige Norske Fortjensteorden)

Career:

2016: Norwegian Sociological Association Honorary Award 2016

Carla Hesse

Professor Carla Hesse is the Dean of Social Sciences at UC Berkeley. She is a prize-winning scholar with 20 years of experience teaching at Berkeley. She holds the Peder Sather Chair in the Department of History, and in 2007 won the prestigious Aby Warburg Prize. She earned her M.A. and Ph.D. from Princeton University and her B.A. from UC Santa Cruz.

Dana Buntrock

Dana Buntrock is Chair of the University of California's Center for Japanese Studies and a Professor in the university's Department of Architecture.

Her work focuses on interdisciplinary collaborations in Japanese architecture and construction practices, starting with her first book, Japanese Architecture as a Collaborative Process: Opportunities in a Flexible Construction Culture (London: Spon, 2000). It dealt with the radical changes that occurred in structural design and their exciting architectural outcomes following the 1995 Hanshin (Kobe) earthquake. She has conducted fieldwork in Japan, the US, Taiwan, and Korea, supported by fellowships from the US National Science Foundation, the Japan Society for the Promotion of Science, the Council for the International Exchange of Scholars, and the Social Science Research Council.

Among her professional activities, she has been a visiting scholar at the University of Tokyo and at Tokyo Institute of Technology, and was the Frederick Lindley Morgan Chair of Architectural Design at the University of Louisville.

Since 2011, Prof. Buntrock has focused on how energy supply and architecture create opportunities for new approaches to architecture in Japan. She has spoken on energy policy and building science to numerous universities and private organizations, including the US National Defense University, the University of Tokyo, the Architectural Institute of Japan, Tokyo Denki University and others. Over the years, she has also made presentations at the Japan Society (New York), the Foreign Correspondents' Club (Tokyo), Architects Designers and Planners for Social Responsibility, the Chicago Architectural Club, Seoul National University, National Cheng Kung University and numerous other universities and international conferences.

The author of three books and dozens of articles in professional and academic journals, Buntrock's work has been translated into Japanese, Korean, Chinese and Spanish. She is currently working on a book provisionally titled Untapped Social and Economic Opportunities in Japanese Architecture.

Kumi Sawada Hadler

Kumi Sawada Hadler is Program Director of the Center for Japanese Studies at University of California, Berkeley.

Junko Habu

Research Expertise and Interest

Japan, anthropology, archaeology, climate change, sustainability, East Asia, Jomon hunter-gatherers

Research Description

As professor of the Department of Anthropology at the University of California, Berkeley, I conduct research on human-environmental interaction, human rights, and the long-term sustainability of human cultures and societies in the past and present. Using the theoretical framework of historical ecology, my research focuses on the importance of food and subsistence diversity, social networks and local autonomy for understanding the resilience of socioeconomic systems. My archaeological projects in Japan, including the Berkeley Sannnai Maruyama Project and the Goshizawa Matsumori Project, examine the mechanisms of long-term culture change among prehistoric Jomon hunter-gatherers (ca. 14,000-500 BC). My research also involves ethnographic studies of modern-day rural communities and small-scale food production units, including those in the Hei River Valley (Miyako City) and Joboji in Iwate Prefecture, Japan, with an emphasis on the importance of traditional ecological knowledge reflected in material culture. As an environmental anthropologist working on Japan, I have also been working on the study of the impacts of the Great East Japan Earthquake of March 11, 2011 and the Fukushima Nuclear Accident. In collaboration with local stakeholders, I use insights obtained from these projects to develop outreach and implementation programs to promote place-based, small-scale and diversified food production. For more information, please visit: https://junkohabu.com/

Andrew Barshay

Research Expertise and Interest:
social thought, modernism, social sciences in modern Japan, marxism, Japanese history, Japanese-Russian relations

Research Description:
Andrew Barshay received his A.B. in Oriental Languages, his M.A. in Asian Studies, and his Ph.D in History from the University of California, Berkeley. His first book explored the notion of the "public" in imperial Japan, finding it to have been hegemonized by the state, and left open to remaking by Japan's defeat. The second turned to the idea of developmental backwardness or lateness in Japan and tracked its persistence among social thinkers and social scientists from the 1890s and across the divide of 1945. The most recent delved into the experience of imperial collapse through a study of the internment in Siberian labor camps and eventual repatriation of some 600,000 captured soldiers of Japan's Kwantung Army. His current book project, entitled "The People's Legs and Feet," concerns the reconstruction of Japan from the ground up following the country's catastrophic defeat in 1945, using the national railways as a prism.

Takaharu Tezuka

Architect / President of Tezuka Architects / Professor of Tokyo City University

1964 Born in Tokyo, Japan
1987 B. Arch., Musashi Institute of Technology
1990 M. Arch., University of Pennsylvania
1990-1994 Richard Rogers Partnership Ltd.
1994 Founded Tezuka Architects with Yui Tezuka
1996-2008 Associate Professor, Musahi Institute of Technology
2009- Professor, Tokyo City University

Awards
The Best of All, OECD/CELE 4th Compendium of Exemplary Educational Facilities (2011, Fuji Kindergarten)
Prize of Architectural Institute of Japan for Design (2008, Fuji Kindergarten)
Japan Institute of Architects Award (2008, Fuji Kindergarten) (2015, Sora no Mori Clinic)
AR Award 2004, the Architectural Review (Echigo-matsunoyama Museum of Natural Science)
Good Design Gold Prize (1997, Soejima Hospital) (2013, Asahi Kindergarten)
Global Award for Sustainable Architecture 2017
Moriyama RAIC International Prize 2017

Exhibitions
2004 Venice Biennale of Architecture
2013 Carnegie International

Publications
Takaharu + Yui Tezuka Architecture Catalogue 1-3. TOTO Publishing
Takaharu + Yui Tezuka NOSTALGIC FUTURE ERINNERTE ZUKUNFT, Jovis, 2009.
Tezuka Architects: The Yellow Book, Edited by Thomas Sherman & Greg Logan, Jovis, 2016

Ted Talk: The best kindergarten you've ever seen
http://www.ted.com/talks/takaharu tezuka the best kindergarten you ve ever seenTED.com
Website: http://www.tezuka-arch.com/english/index.html

Mike Botchan

Title: Dean of Biological Sciences Professor of Biochemistry, Biophysics and Structural Biology.

Research Description: The chromosomes of eukaryotic cells contain cis-acting elements important for gene expression, replication, folding and structure, segregation and recombination. Among these regulatory sites only those involved in gene expression are well studied. The arrival of the Cas/CRISPR system for creating site directed mutations in chromosomes should dramatically increase the rate of discovery in these areas.
In eukaryotes each chromosome has many sites that serve as initiators for DNA replication in dividing cells. For multicellular eukaryotes the utilization of these sites changes during the course of development. The program of activation is poorly understood in metazoans and is epigenetic where proteins that control chromatin access rather than direct sequence recognition by the general replication factors is a dominant theme. Replication stress occurs when key replication factors are limiting as a result of hypomorphic mutation or when cells in a quiescent niche are induced to enter a division cycle through defaults in cell proliferation controls. Such stress may lead to chromosome breaks and accelerating damage drives cancer progression.

We purified the DmORC -complex (Drosophila origin recognition complex) first from extracts and were able to reconstitute the activity with recombinant proteins. This complex is part of the machinery that marks chromosomal DNA as sites "to be initiated" for replication. The execution point for ORC function is in G1 where a "latent helicase" activity is wrapped around the duplex. Conversion of the latent helicase into an active unwinding machine requires the association of 5 other proteins to this pre-replication assembly. In cells this conversion is the key switch step for S phase and regulated by the S phase promoting kinases. (Botchan Nature 2007). We have called this active form of the helicase the "CMG" (Ilves et al Mol Cell). How the latent helicase is converted to the active enzyme and how the CMG unwinds duplex is presently a key lab project. In other studies we are exploring cell cycle check-point controls that stop the unwinding under stress conditions. Recombinant ORC is now the focus of high-resolution structural studies to understand how ORC executes it's key function with other proteins to load the latent helicase.

Beall et al (Nature 2002) first showed that a Myb protein-complex was a key factor in regulating site-specific DNA replication and this complex is now known to regulate transcription and DNA replication in different cell types. The core factors of this complex in turn recruit chromatin modifying factors to either repress or activate chromosome function. How the histone binding factor L(3)MBT is targeted to promoters and replication sites through the auspices of this complex is also a research direction.

Jennifer Johnson-Hanks

Jennifer Johnson-Hanks is ethnographer and demographer of family and the life course. Her research focuses on the relationship between population rates and cultural patterns, and on the mediation of that relationship by (individual?) intentional action. Papers in Current Anthropology and the American Journal of Sociology, for example, ask how are individual actions coordinated into stable rates, such as birth rates or marriage rates? What roles do individual intentions play in accounting for action, and in the formation of rates? And conversely, how are intentions and demographically relevant actions socially and culturally structured?

Her first book , *Uncertain Honor*, was published by the University of Chicago Press in 2006. It explores the relationship between population rates and cultural practices through a study of the transition to motherhood among educated women in Southern Cameroon. Integrating demographic and ethnographic evidence and theory, *Uncertain Honor* argues that the certain young Cameroonian women delay motherhood as part of a broader attempt to assert a modern form of honor only recently made possible by formal education, Catholicism, and economic change.

Co-authoring with Phil Morgan, Chris Bachrach, and Hans-Peter Kohler, Johnson-Hanks published Understanding Family Change and Variation: Toward a theory of Conjunctural Action in 2011. It argues that social demography has moved too far away from core debates in social theory, and must be reintegrated. The book then poses a framework through which that reintegration can occur. This framework posits that material and schematic structures profoundly shape the occurrence, frequency, and context of the vital events that constitute the object of social demography. Fertility and family behaviors are therefore best understood as a function not just of individual traits, but of the structured contexts in which behavior occurs.

Johnson-Hanks is currently working on a third book, tentatively titled Sex in Public: Population and the Paradox of Choice. This book begins with the apparent dilemma that no-one commits suicide because fewer people than average have done so in this calendar year; no one has an unwanted pregnancy in order to offset the thwarted intentions of the infertile. And yet, rates of suicide remain stunningly flat, and (in the US at least) observed births match the desired number of births almost exactly. How does this happen? The question here is not only how individual desires or intentions are brought in line with culturally normative ones, but also how the *distribution* of intentions, actions, and outcomes is sustained over time. The book is about quantification in the social sciences, about what happens when we count social things. What is at stake in asking social science questions in numerical ways? What can be gained? And what risks does counting imply?

Johnson-Hanks earned her BA from Berkeley, and her MA and PhD from Northwestern, all in Anthropology. She is joint appointed in the Departments of Sociology and Demography, and currently serves as Associate Dean of Social Sciences.

Lisa Barcellos

I specialize in diseases of the immune system and work to identify genetic factors that predispose people to autoimmune diseases and that modulate disease expression and clinical progression.

Most of my research to date has centered on multiple sclerosis. I and my colleagues at the University of California, San Francisco have recently initiated new studies focused on systemic lupus erythematosus, rheumatoid arthritis, and other autoimmune conditions. I am also investigating environmental exposures, such as smoking and maternal-fetal relationships.

My research interests can be categorized into five general areas: (a) comprehensive studies of major histocompatibility complex (MHC) variation in autoimmune disease, (b) full characterization of the autoimmune-prone multiple sclerosis phenotype and associated risk factors, (c) characterization of parent-of-origin and maternal-child immunogenetic relationships in autoimmunity, (d) population-based studies of genetic, social and environmental risk factors in autoimmune disease, and (e) application of novel analytical methodology to characterize gene-gene and gene-environment relationships in autoimmunity

Shachar Kariv

Shachar Kariv is the Benjamin N. Ward Professor of Economics and former Department Chair, and former Faculty Director of Experimental Social Science Laboratory (Xlab). His research in experimental and behavioral economics provides novel tools for understanding individual preferences and attitudes towards risk and time, which inform nearly all aspects of decision-making. His academic experience includes visiting professorship positions at Stanford University, Princeton University, University of Oxford, University of Cambridge, the European University Institute, the Norwegian School of Economics, among others. Among his awards, Shachar was awarded a Sloan Fellowship and received special recognition for his distinguished excellence in teaching from UC Berkeley Division of Social Sciences and the Haas School of Business.

Greg Niemeyer

Born in Switzerland in 1967, Greg Niemeyer studied Classics and Photography. He started working with new media when he arrived in the Bay Area in 1992 and he received his MFA from Stanford University in New Media in 1997. At the same time, he founded the Stanford University Digital Art Center, which he directed until 2001, when he was appointed at UC Berkeley as Assistant Professor for New Media. At UC Berkeley, he is involved in the development of the Center for New Media, focusing on the critical analysis of the impact of new media on human experiences. His creative work focuses on the mediation between humans as individuals and humans as a collective through technological means, and emphasizes playful responses to technology. His most recognized projects are Gravity (Cooper Union, NYC, 1997), PING (SFMOMA, 2001), Oxygen Flute (SJMA, 2002), ar (Pacific Film Archive, 2003), Ping 2.0 (Paris, La Villette Numerique, 2004), Organum Playtest (2005), Good Morning Flowers (SFIFF 2006, Townhouse Gallery, Cairo, Egypt, 2006), blackloud.org, sevenairs.org, and polartide.org

Marla Feller

Marla Feller is a Professor at UC Berkeley in Molecular and Cell Biology Department and a member of the Helen Wills Neuroscience Institute. Dr. Feller received an AB in Physics in 1985 and a Ph. D. in Physics in 1992, both from UC Berkeley. Dr. Feller transitioned into the field of Neurobiology across two post-doctoral positions, the first at AT&T Bell Laboratories with David Tank and the second at UC Berkeley with Carla Shatz. Dr. Feller's first academic position was as an intramural scientist at NIH. She then moved to UC San Diego in 2000 where she received tenure. Dr. Feller moved to UC Berkeley in 2008. Dr. Feller's research program is focused on the mechanisms that underlie the development of functional neuronal circuits in the retina.

Daniel M. Kammen

Dr. Daniel M. Kammen is a Professor at the University of California, Berkeley, with parallel appointments in the Energy and Resources Group where he serves as Chair, the Goldman School of Public Policy where he directs the Center for Environmental Policy, and the department of Nuclear Engineering. Kammen is the founding director of the Renewable and Appropriate Energy Laboratory (RAEL; http://rael.berkeley.edu), and was director of the Transportation Sustainability Research Center from 2007 – 2015.

He was appointed by then Secretary of State Hilary Clinton in April 2010 as the first energy fellow of the Environment and Climate Partnership for the Americas (ECPA) initiative. He began service as the Science Envoy for U. S. Secretary of State John Kerry in 2016, but resigned over President Trump's policies in August, 2017. He has served the State of California and US federal government in expert and advisory capacities, including time at the US Environmental Protection Agency, US Department of Energy, the Agency for International Development (USAID) and the Office of Science and Technology Policy

Dr. Kammen was educated in physics at Cornell (BA 1984) and Harvard (MA 1986; PhD 1988), and held postdoctoral positions at the California Institute of Technology and Harvard. He was an Assistant Professor and Chair of the Science, Technology and Environmental Policy Program at the Woodrow Wilson School at Princeton University before moving to the University of California, Berkeley. Dr. Kammen has served as a contributing or coordinating lead author on various reports of the Intergovernmental Panel on Climate Change since 1999. The IPCC shared the 2007 Nobel Peace Prize.

Kammen helped found over 10 companies, including Enphase that went public in 2012, Renewable Funding (Renew Financial) a Property Assessed Clean Energy (PACE) implementing company that went public in 2014. Kammen played a central role in developing the successful bid for the $500 million energy biosciences institute funded by BP.

During 2010-2011 Kammen served as the World Bank Group's first Chief Technical Specialist for Renewable Energy and Energy Efficiency. While there Kammen worked on the Kenya-Ethiopia "green corridor" transmission project, Morocco's green transformation, the 10-year energy strategy for the World Bank, and on investing in household energy and gender equity. He was appointed to this newly-created position in October 2010, in which he provided strategic leadership on policy, technical, and operational fronts. The aim is to enhance the operational impact of the Bank's renewable energy and energy efficiency activities while expanding the institution's role as an enabler of global dialogue on moving energy development to a cleaner and more sustainable pathway. Kammen's work at the World Bank included funding electrified personal and municipal vehicles in China, and the $1.24 billion transmission project linking renewable energy assets in Kenya and Ethiopia.

Christopher M. Jones

Chris Jones is Director of the CoolClimate Network, a university-governmet-industry partnership at the University of California, Berkeley. His primary research interests are carbon footprint analysis, community-scale greenhouse gas mitigation, environmental psychology and environmental policy.

Jones lead the development of the first carbon footprint calculators to account for the greenhouse gas emissions of all transportation, energy, food, goods and services purchased by households and businesses. This comprehensive method, called "consumption-based greenhouse gas accounting," powers a suite of online tools that allow households, businesses and communies to estimate their complete carbon footprints, compare their results to similar users, and develop personalized climate action plans to reduce their contribution to climate change. Versions of these tools have been adopted by governments, businesses and non-governmental organizations throughout the United States and internationally. CoolClimate also develops and evaluates programs to engage, educate, motivate and empower individuals to take climate action. Examples include the Cool Campus Challenge and the CoolCalifornia Challenge. He also serves as Program Chair (8th year) of the Behavior, Energy and Climate Change Conference.

Jasmina Vujic

Professor Jasmina Vujic is Program Director, Nuclear Science and Security Consortium (NSSC) and Co-Director, Berkeley Nuclear Research Center (BNRC).

- B.Sc. - Electrical and Nuclear Engineering, University of Belgrade, 1977.
- M.Sc. - Engineering Physics, University of Belgrade, 1984.
- M.Sc. - Nuclear Science, University of Michigan, 1987.
- Ph.D. - Nuclear Science, University of Michigan, 1990

Teaching and Research:

Professor Vujic teaches undergraduate courses in introduction to nuclear engineering, introduction to nuclear reactor theory, and radiation protection and control, as well as graduate courses in nuclear reactor theory, and numerical methods in reactor design and analysis. Her research interests include development of advanced numerical methods for the neutronic analysis of nuclear reactors, radiation shielding, and medical applications of radiation; neutron and photon transport theory; reactor core design and analysis; optimization techniques for vector and parallel computing systems. Recently, she and Prof. Prussin developed a new Bionuclear and Radiological Physics option within the Engineering Science/ Bioengineering Program.

Current Research Focus:

- Neutronics Analysis of Fissile Material Behavior in Geologic Repositories
- Computer Modeling for Radiation Diagnostic and Cancer Therapy
- Development of Multiprocessor Multiassembly Neutron Transport Theory Code
- Development and Validation of the GT-SCALE Code Package for Advanced Rector Core Designs
- Development of a Unified Multidimensional Computational Method for Neutral Particle in Complex Non-Uniform Domains

Aaron Hurst

Dr. Aaron Hurst undertook a Ph. D. in nuclear physics under the tutelage of Prof. Peter Butler at the University of Liverpool in the United Kingdom. His thesis topic focused on radioactive-beam Coulomb-excitation measurements using the Radioactive ion-beam Experiment Isotope Separator Online (REX-ISOLDE) facility at the European Organization for Nuclear Research (CERN) in Geneva, Switzerland. After receiving his Ph.D. in 2007, he embarked upon a postdoctoral position with Dr. Mark Stoyer in the Experimental Nuclear Physics Group of the Lawrence Livermore National Laboratory (LLNL) in California. Here, he continued his work on exotic-beam physics at TRIUMF, Canada's national laboratory for particle and nuclear physics located in Vancouver, in addition to heavy-ion few-nucleon transfer reactions at the Argonne National Laboratory in Illinois. Dr. Hurst later began working on nuclear data projects in collaboration with the Global Security Directorate at LLNL and the Isotopes Project at the Lawrence Berkeley National Laboratory (LBNL). This involvement led to his current position as a scientist in the Isotopes Project Group at LBNL since 2010, working with Dr. Richard Firestone and Dr. Shamsuzzoha Basunia, where he contributes to the evaluation and development effort of nuclear data libraries important to the US Nuclear Data Program, the National Nuclear Data Center and the International Atomic Energy Agency. His current research interests focus primarily on neutron-capture reactions and statistical modeling