

Department of Applied Economics 1994 Buford Avenue St. Paul, MN, 55108, USA

## MARGINAL MEMOS

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Editor: Sadie Brendalen

### Announcements



#### Welcome back breakfast for students

The department will be hosting a welcome back breakfast for APEC and AFBM students on Tuesday, January 21 at 8:30 a.m. in Waite Library. We encourage faculty to stop in and say hello to welcome students back to campus for the semester!

#### Call for papers: Climate change in agriculture and market-mediated adjustments, June 4-5, Paris

The workshop aims to draw together researchers from agricultural economics, environmental economics, international trade, and related fields to address a range of questions related to the role of market-mediated adjustments in adaptation to and mitigation of climate change in agriculture.

Invited keynote speakers: Thomas Hertel (Purdue University), Alan Matthews (Trinity College, Dublin), Pierre Merel (UC Davis), and Hugo Valin (IIASA).

The workshop will be hosted by AgroParisTech and the Economie Publique research unit in downtown Paris.

The submission deadline of full papers or long abstracts (min 7 pages) is March 15, 2020.

For further information, submission, and (free) registration, please see the website:  
<https://ccam.lsce.ipsl.fr>

## Jobs

### [Economist \(3 positions\): Millennium Challenge Corporation, Washington D.C.](#)

The Millennium Challenge Corporation has three job openings for economists within the Department of Policy and Evaluation. Links to all three openings are below:

[Position 1.](#)

[Position 2.](#)

[Position 3.](#)

### [Fellowship: Oak Ridge Institute for Science and Education \(ORISE\), EPA](#)

The goal of this research project is to conduct research on water quality modeling and water quality valuation. This research may support the development of tools such as the Hydrologic and Water Quality System (HAWQS), a nationwide Soil and Water Assessment Tool (SWAT) based water quality modeling system, and the Benefits Spatial Platform for Aggregating Socioeconomics and H2O Quality (BenSPLASH), a nationwide water quality valuation model.

The research scholar will learn and develop experience on HAWQS and SWAT hydrologic and water quality models, learn and develop experience on BenSPLASH through BenSPLASH development meetings, collect and analyze water quality data for model calibration and validation using statistical programs, GIS tools and databases and collaborate on developing methodologies to incorporate and apply new or existing modeling and valuation approaches.

[Apply online](#)

### [Assistant Professor \(tenure-track\): University of Wyoming](#)

The Wyoming Geographic Information Science Center (WyGIS) is recruiting a tenure-track Geospatial Data Science and Computation Assistant Professor with expertise in Geospatial Informatics. Minimum qualifications include a PhD in a relevant field from an accredited university with expertise in geospatial informatics. Successful candidates will also demonstrate the ability to secure funding for extramural research; interest, aptitude, and capability for effective undergraduate and graduate education; and they will have demonstrated excellent interpersonal and communication skills and the ability to work with others in a collegial team atmosphere.

Research in Geospatial Informatics will address WyGIS's long-standing goal of becoming a leader in basic geospatial research in addition to our service role in the state and region. The successful candidate is expected to establish a competitively funded interdisciplinary research program, show a record of achievement in data science/geospatial approaches, demonstrate experience with various geospatial technologies, and have an interest in and

ability to work with emerging data analysis methods, high resolution spatiotemporal data, and develop and use machine learning and other quantitative methods, ideally within a High Performance Computing environment

[Apply online](#)

## Assistant Professor (tenure-track): California State Polytechnic University, Pomona

The Agribusiness & Food Industry Management - Agricultural Science Department in the College of Agriculture at California State Polytechnic University, Pomona (Cal Poly Pomona) invites applications for a tenure-track position at the rank of Assistant Professor to begin in the 2020-2021 academic year. Candidates with specializations in Agribusiness, Agricultural Economics, Business, or closely related fields are invited to apply.

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## Research Associate: Stanford

The Stanford Center for Ocean Solutions (COS) has an opening for an RA. The RA will be responsible for leading innovative research and actively engaging in the development and implementation of COS' work on key initiatives including: Oceans & Food Security, Sustainable Ocean Economies, Small-scale Fisheries & Technology, Managing Ocean Risk, and Curbing Illegal Fishing. Consistent with the mission of COS, we seek a person with experience and/or interest in both advancing research frontiers and addressing real-world challenges of sustainability in coastal and ocean environments. We seek a creative individual with expertise in resource economics, policy or law and the ability to work effectively in interdisciplinary teams on cross-cutting issues.

This is a full-time, two-year appointment that will be renewed biennially based on performance. The Research Associate will be based at either our Palo Alto office at Stanford University or our Monterey office at Hopkins Marine Station.

[Apply online](#)

## Research Assistant: University of New Hampshire

The Department of Natural Resources and the Environment (NREN), College of Life Sciences and Agriculture (COLSA) at the University of New Hampshire (UNH) is now accepting applications for a Research Assistantship in Environmental Economics (M.Sc.). The selected student will work on the economics of sustainable aquaponic systems under a project titled: "Optimizing sustainable aquaponic production using an integrated systems approach." funded

by the United States Department of Agriculture's National Institute of Food and Agriculture (USDA-NIFA). The selected student will complete their M.Sc. in Natural Resources: Environmental Economics in the Environmental and Resource Economics (EREC) program in NREN, COLSA. The position includes full tuition, an estimated 9-month academic year base stipend of ~ \$20,230, a summer stipend of ~ \$6,743 (3 months), and health insurance for two years. The official start date for the program and position is August 24, 2020. Summer research assistantship is also available before the official beginning of the position (June or July 2020).

The successful candidate will work on the economic analysis and bio-economic modeling with Dr. Shadi S. Atallah (COLSA NREN). The candidate will also assist Dr. Todd Guerdat (COLSA Agriculture, Nutrition, and Food Systems; Agricultural Engineering) with the operations of the facilities to better understand the production systems and data from the research farm. Please send the following to Dr. Shadi Atallah by email (Shadi.Atallah@unh.edu): (1) Cover letter describing the match between your interests, preparation, and the project, highlighting the related qualifications; (2) Resume indicating your academic preparation, relevant coursework, and research and work experiences; (3) Contact information for three academic references; and (4) Copy of undergraduate transcripts (and graduate transcripts, if applicable), GRE scores, and TOEFL scores (if applicable). Review of applications will begin immediately and continue until a suitable candidate is identified.

Apply online

## Departmental seminars

There are no job talks or seminars scheduled this week in the department.

## Departmental Publications

Johansson, Maria U., Senait D. Senay, Emma Creathorn, Habtemariam Kassa, and Kristoffer Hylander. 2019. "Change in Heathland Fire Sizes inside vs. Outside the Bale Mountains National Park, Ethiopia, over 50 Years of Fire-Exclusion Policy: Lessons for REDD+." *Ecology and Society* 24 (4): art26. <https://doi.org/10.5751/ES-11260-240426>.

Goodkind, Andrew L., Christopher W. Tessum, Jay S. Coggins, Jason D. Hill, and Julian D. Marshall. 2019. "Fine-Scale Damage Estimates of Particulate Matter Air Pollution Reveal Opportunities for Location-Specific Mitigation of Emissions." *Proceedings of the National Academy of Sciences* 116 (18): 8775–80. <https://doi.org/10.1073/pnas.1816102116>.

Glewwe, Paul. 2020. "The Role of Theory and Randomized Trials for Education Policy in Developing Countries." *World Development* 127 (March): 104801. <https://doi.org/10.1016/j.worlddev.2019.104801>.

Zhao, Shuoli, and Chengyan Yue. 2020. "Investigating Consumer Participation Decision in Community-Supported Agriculture: An Application of Cumulative Prospect Theory." *Journal of Agricultural and Resource Economics* 45 (1): 124-44. <https://doi.org/10.22004/ag.econ.298438>.

Overcash, Francine M., Zata Vickers, Allison E. Ritter, Traci Mann, Elton Mykerezi, Joseph Redden, Aaron K. Rendahl, Cynthia Davey, and Marla Reicks. 2019. "An In-Home Intervention of Parent-Implemented Strategies to Increase Child Vegetable Intake: Results from a Non-Randomized Cluster-Allocated Community Trial." *BMC Public Health* 19 (1): 881. <https://doi.org/10.1186/s12889-019-7079-4>.

Sajjadiani, Sima, Aaron J. Sojourner, John D. Kammeyer-Mueller, and Elton Mykerezi. 2019. "Using Machine Learning to Translate Applicant Work History into Predictors of Performance and Turnover." *Journal of Applied Psychology* 104 (10): 1207–25. <https://doi.org/10.1037/apl0000405>.

Wannemuehler, Seth D., James J. Luby, Chengyan Yue, David S. Bedford, R. Karina Gallardo, and Vicki A. McCracken. 2019. "A Cost–Benefit Analysis of DNA Informed Apple Breeding." *HortScience* 54 (11): 1998–2004. <https://doi.org/10.21273/HORTSCI14173-19>.

Bellemare, Marc F., and Casey J. Wichman. 2019. "Elasticities and the Inverse Hyperbolic Sine Transformation." *Oxford Bulletin of Economics and Statistics*, July, obes.12325. <https://doi.org/10.1111/obes.12325>.

DiGiacomo, Gigi, Joleen Hadrich, William D Hutchison, Hikaru Peterson, and Mary Rogers. 2019. "Economic Impact of Spotted Wing *Drosophila* (Diptera: Drosophilidae) Yield Loss on Minnesota Raspberry Farms: A Grower Survey." *Journal of Integrated Pest Management* 10 (1): 11. <https://doi.org/10.1093/jipm/pmz006>.



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