

Power System Simulation for Policymaking and Making Policymakers by Michael Ari Cohen Doctor of Philosophy in Energy and Resources University of California, Berkeley Assistant Professor Duncan Callaway, Chair Power system simulation is a vital tool for anticipating, planning for and ultimately address-

Every strapp(VM) 102.4kWh Nerwer instrapt(M) 512V Outor Altin one ESS calair M b

(fuente: Alexandra von Meier Power System Lectures, UC Berkeley) E 1 y E 2 son los voltajes de los lados 1 y 2 en voltios. N 1 es el n?mero de vueltas que la bobina del lado 1 tiene. N 2 es el n?mero de vueltas que tiene la bobina del lado 2. V base1 y V ???



Alexandra "Sascha" von Meier is an adjunct professor in the Department of Electrical Engineering and Computer Science at the University of California, Berkeley, where she directs the Electric Grid Research program at the California Institute for Energy and Environment (CIEE), an initiative of the Center for Information Technology Research in the Interest of Society (CITRIS) and the ???



Alexandra (Sascha) von Meier, GSI Samuel Smith Syllabus Lecture MW 4-5:30 in 299 Cory Discussion Tu 1-2 in 293 Cory Three hours of lecture and one hour discussion, 4 units, letter grade. Prerequisites are EE 137A or equivalent; English language

ALEXANDRA von MEIER, PhD, is Associate Professor in the Department of Environmental Studies and Planning and Director of the Environmental Technology Center at Sonoma State University. An award-winning educator, Dr. von Meier teaches courses in energy management and design that address science, technology, policy,



, Professors: Laurent El Ghaoui and Alexandre Bayen, UC Berkeley Hidalgo-Gonzalez, P. Frequency Regulation in Variable and Low Inertia Inertia Power Systems due to Renewable Energy". Invited talk at professor Alexandra von Meier's group meeting at ???



(source: Alexandra von Meier Power System Lectures, UC Berkeley) E 1 and E 2 are the voltages of sides 1 and 2 in volts. N 1 is the number of turns the coil on side 1 has. N 2 is the number of turns the coil on side 2 has. V base1 and V base2 are the base voltages on sides 1 and 2.

Alexandra "Sascha" von Meier . Adjunct Professor, Dept. of Electrical Engineering and Computer Science, UC Berkeley Director, Electric Grid Research, California Institute for Energy and Environment Faculty Scientist, Lawrence Berkeley National Laboratory, Grid Integration Group . vonmeier@berkeley



Energy research in the EECS department at Berkeley spans the entire spectrum from microscopic to macroscopic aspects of energy and power generation, distribution, and management. Collaborations with faculty in related departments, such as Physics, Bioengineering, Mechanical Engineering, and the Energy Resources Group are active.





In light of last week's massive PG& E power outage, Von Meier discusses why the current power grid is a fire hazard, why solar power is not a practical alternative during a power outage, and ???

the incorporation of renewable energy into the pre-existing system. Figure 2. Professor von Meier's book, "Electric Power Systems: A Conceptual Introduction," is used in her "Introduction to Electric Power Systems" at Berkeley. Figure 1. Professor Alexandra von Meier teaches courses in electric power systems at UC Berkeley.

Dr. Callaway's teaching focuses on power systems and data science. His research can be categorized in three areas: modeling and control of aggregated storage devices; power management; and system analysis of energy technologies and their impact.



This week, the Pacific Gas and Electric Company took the unprecedented step of cutting power to nearly 750,000 Northern California customers, including much of the UC Berkeley campus, in an effort to mitigate the risk that active transmission lines could spark a wildfire during dry and windy conditions. Berkeley News spoke with Alexandra "Sascha" von Meier, Director ???

Alexandra "Sascha" von Meier Adjunct Professor, Dept. of Electrical Engineering and Computer Science, UC Berkeley Director, Electric Grid Research, California Institute for Energy and Environment Relationships between voltage phasor and distribution power flow Transmission system approximation, where reactance dominates over resistance



Raluca Ada Popa. Associate Professor 729 Soda Hall; raluca.popa@berkeley Research Interests: Operating Systems & Networking (OSNT); Security (SEC) Education: 2014, Doctor of Philosophy, Computer Science, Massachusetts Institute of Technology; 2010, Masters of Engineering, Computer Science, Massachusetts Institute of Technology; 2009, Bachelor's ???





Alexandra "Sascha" von Meier is the Principal Investigator and Energy team co-lead of the Oakland EcoBlock project. She is also the Director of Electric Grid research at the California Institute for Energy and Environment (CIEE), a public-interest energy research center based at the CITRIS and the Banatao Institute at UC Berkeley; an Adjunct Professor in the Department ???

Alexandra von Meier - UC Berkeley . Contributing Authors (in alphabetical order): Reza Arghandeh -Florida State University . Kyle Brady - UC Berkeley . synchronized measurements for supporting power distribution system planning, operation, and research. The mission of the North American Synchrophasor Initiative's Distribution Task Team



Cognitive analyses of machine learning systems Erin Grant [advisor: Michael Jordan and Thomas Griffiths] Computational methods for regulating transcription and translation Sanjit Batra [advisor: Yun S. Song] Controlling Devices to Achieve Stability Guarantees on Electric Distribution Grids Jaimie Swartz [advisor: Seth R. Sanders and Alexandra