



Eilyan Bitar

Dept: Electrical and Computer Engineering

Title : Assistant Professor

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Biography

Eilyan Bitar is currently an Assistant Professor in the School of Electrical and Computer Engineering at Cornell University. Prior to joining Cornell in the Fall 2012, he was engaged as a Postdoctoral Fellow in the department of Computing + Mathematical Science (CMS) at the California Institute of Technology and at the University of California, Berkeley in Electrical Engineering and Computer Science during the 2011-12 academic year. A native Californian, he received both his Ph.D. (2011) and B.S. (2006) from the University of California, Berkeley.

Research Interests

Professor Bitar's research interests include modern power systems and electricity markets, stochastic control, and optimization.

Selected Publications

- Louca, Raphael, Eilyan Bitar. 2015. "Acyclic Semidefinite Approximations of Quadratically Constrained Quadratic Programs." American Control Conference (ACC) 5925-5930.
- Munoz-Alvarez, Daniel, Eilyan Bitar. 2014. "Financial Storage Rights: Definition and Basic Properties."
- Giani, Annarita, Eilyan Bitar, Manuel Garcia, Miles McQueen, Pramod Khargonekar, Kameshwar Poolla. 2013. "Smart Grid Data Integrity Attacks." IEEE Transactions on Smart Grid 4 (3): 1244-1253.
- Bitar, Eilyan, Ram Rajagopal, Pramod P. Khargonekar, Kameshwar Poolla, Pravin Varaiya. 2012. "Bringing Wind Energy to Market." IEEE Transactions on Power Systems 27 (3): 1225-1235.
- Bitar, Eilyan, Steven Low. 2012. "Deadline-Differentiated Pricing of Deferrable Electric Power Service." Paper presented at 51st IEEE Conference on Decision and Control, Hawaii

Selected Awards and Honors

- National Science Foundation CAREER Award (NSF) 2014
- The David D. Croll Sesquicentennial Faculty Fellow (Cornell University) 2012
- John and Janet McMurtry Fellowship (University of California, Berkeley) 2010
- John G. Maurer Fellowship (University of California, Berkeley) 2008
- Robert F. Steidel Jr. Fellowship (University of California, Berkeley) 2007

Websites

- <http://bitar.engineering.cornell.edu/>

Education

- BS University of California, Berkeley, 2006
- Ph D University of California, Berkeley, 2011