

# Grid 2.0 Symposia Series

## SERIES II: Transactive Energy: A customer centric model



## TRANSACTIVE ENERGY: BRINGING THE MAXIMAL VISION OF A CUSTOMER-CENTRIC GRID 2.0 INTO FOCUS

Tuesday, Feb 21, 2017, 6:30-9:30PM \* Computer History Museum / Orientation Room  
1401 N Shoreline Blvd, Mountain View CA 94043, <http://www.computerhistory.org/>  
Registration: <https://grid20transactiveenergy.eventbrite.com>

**Special Lead Speaker: Ed Cazalet, *Founder & CEO, TeMix;*  
*Director/Founder, Transactive Energy Association (TEA)***

### Agenda:

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| 6:30-7:00 | <i>Registration &amp; Appetizers/Refreshments</i>   |
| 7:00-7:15 | <i>Introduction by Mike Burke, Founder and Executive Director, SUSTAINABLE ENERGY PROJECT</i>   |
| 7:15-7:45 | <b>Transactive Energy: The TeMix Vision and Pilot</b><br><i>Ed Cazalet, Founder/CEO, TeMix; Executive Director, TEA</i>   |
| 7:45-8:00 | <i>Break</i>  |
| 8:00-8:45 | <b>Transactive Energy &amp; the Customer-Centric Approach to Grid 2.0 -- Panel &amp; Open Q&amp;A with Audience</b> <ul style="list-style-type: none"><li>• How is TE defined and how does it differ from present practices?</li><li>• What key problems does TE solve?</li><li>• Will direct transactions cut out the emerging third party aggregators?</li><li>• How are the positive and negative externalities of such a market handled in TE -- can externalities be captured in the prices?</li></ul> |

- What kind of communication and informational upgrades will be needed?
- How much will these new solutions cost? Who is developing them? Who is investing in them?
- How does the TE market protocol relate to device-level distributed energy standards like OpenADR, SunSpec, SEP 2, MESA, Open Charge Point Protocol?
- How does TE address the issues of reliability and resilience for electricity?

*Moderator:*

**Todd Strauss**, *Senior Director, Grid Strategy & Analytics, PG&E*

*Panelists:*

**Mike Burke**, *Founder and Executive Director, SUSTAINABLE ENERGY PROJECT*

**Rish Ghatikar**, *Technical Executive, EPRI; Lead and Chief Architect of OpenADR Standard*

**TJ Keating**, *Executive Director, DYNAMIC GRID COUNCIL; Former Director, SUNSPEC ALLIANCE*

**Geoff Sharples**, *Energy Sales Director, INTEL*

**Ryan Wartena**, *President, GELI*

8:45-9:30 *Post-Panel Networking, Session II adjourns*

### **Participants at Stratton Report's series of forums on the evolution of Grid 2.0 include:**

*CEO, UCGEC \* Solutions Architect, TRIULLIANT INC \* Managing Director, NUTECH ENERGY CONSULTING \* Technical Director, OPENADR ALLIANCE \* Executive VP, UCGEC \* CFO, UCGEC \* Principal, SIEMENS VENTURE CAPITAL \* Data Architect, CHANGEHEALTHCARE.COM \* Software Developer, TeMix Inc. \* President, MEGAWATT STORAGE FARMS \* Sr Software Developer, TeMix Inc \* Principal Consultant, GRID CORE \* Resource Planner, CITY OF PALO ALTO UTILITIES \* Strategy Director, NRG \* Business Development, GOOGLE X \* SVP Global Cooperation and Innovation, INNOGY NEW VENTURES LLC\* Technical Leader, EPRI \* Founder/CTO, GRID COMM \* President, ALTA POWER GROUP \* Director, PLUG AND PLAY TECH CENTER \* Advisor to Commissioner McAllister, CALIFORNIA ENERGY COMMISSION (CEC) \* Analyst, CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC) \* Advisor to Commissioner Hochschild, CALIFORNIA ENERGY COMMISSION (CEC) \* Energy Sales Director, IOT Strategy, Energy & Industrial, INTEL \* Founder & Ceo, TeMiX \* Senior Director, Grid Strategy & Analytics, PG&E \* Founder & Executive Director, SUSTAINABLE ENERGY PROJECT \* Technical Executive, EPRI, Executive Director, DYNAMIC GRID COUNCIL \* Founder and Chief Strategy Officer, GELI \* CEO, SKYCENTRICS \* Board Member, PENINSULA CLEAN ENERGY \* Director, SOLAR CITY \* Director of Biz Dev, SUNPOWER \* VP Biz Dev, VIZN ENERGY SYSTEMS \* Director, THE ENERGY COALITION \* President, TERRAVERDE RENEWABLE ENERGY PARTNERS \* Senior Power Systems Engineer, SOLAR CITY \* Head of West Coast Energy Partnerships, NEST LABS \* Director, Technology & VC Partnerships, LG TECHNOLOGY CENTER OF AMERICA \* VP Technology & Business, SUSTAINABLE ENERGY PROJECT \* Program Manager, CALCHARGE \* CEO, ADARA POWER \* Lead Program Manager, FERC Jurisdiction, NATIONALGRID \* Business Development, ADVANCED MICROGRID SOLUTIONS (AMS) \* Executive Director, ZNE ALLIANCE \* Partner, STRATEGIC DECISIONS GROUP \* VP Technology & Business, SUSTAINABLE ENERGY PROJECT \* Engineering Manager, GREENCHARGE NETWORKS; Director, AEREA RESOURCES \* Director of Policy, CENTER FOR SUSTAINABLE ENERGY \* Strategy Consultant, FUTURE-FACING \* Publisher, BAKER STREET PUBLISHING \* Vice President, EPC POWER; Principal Energy Analyst, EDF INNOVATION LAB \* Vice Chair, PENINSULA CLEAN ENERGY \* Director of Power Resources, PENINSULA CLEAN ENERGY \* Board Chair, PENINSULA CLEAN ENERGY \* CEO/Founder, TEMIX & TRANSACTIVE ENERGY ASSOCIATION \* Senior Research Scholar, STANFORD UNIVERSITY\* President, SUSTAINABLE ENERGY PROJECT \* Director, CALCERTS, INC. \* CEO, CALIFORNIA STRATEGIES \* VP Biz Dev, ENACT SYSTEMS INC. \* CEO, ENACT SYSTEMS INC. \* CEO, VERT SOLAR FINANCE \* Product Marketing Manager, SUNVERGE \* Executive VP, DEYOUNG PROPERTIES \* Director, Sustainable Energy Initiative, STANFORD GRADUATE SCHOOL OF BUSINESS \* EE BP Policy Manager, CENTER FOR SUSTAINABLE ENERGY \* Director of Policy, CENTER FOR SUSTAINABLE ENERGY \* VP Program Development, PATHION \* VP Program Operations, PATHION \* EDP*

RENEWABLES NORTH AMERICA \* Staff, LOW CARBON GRID PROJECT \* Staff, RENEWABLE AND APPROPRIATE ENERGY LAB (RAEL)/UC BERKELEY \* Assistant Biz Manager, IBEW1245 \* Biomass Program Manager, WATERSHED RESEARCH AND TRAINING CENTER \* PhD Student, STANFORD UNIVERSITY \* Resource Planner, CITY OF PALO ALTO UTILITIES

**Special Lead Speaker Bio:**

***DR. EDWARD CAZALET IS THE FOUNDER AND CEO OF TeMix INC., a global transactive systems company, and is also the Executive Director of the Transactive Energy Association (TEA). Cazalet is a leader in the design and operation of markets for electricity, the design and operation of smart grid transaction services, electricity storage, and renewables integration. For his industry contributions, Public Utilities Fortnightly magazine named Dr. Cazalet Innovator of the Year. He was a governor of the CAISO and is the founder or cofounder of MegaWatt Storage, Farms, Automated Power Exchange (APX), Decision Focus, Inc., and The Cazalet Group. As chairman and CEO of APX he raised almost \$70 million in three rounds from venture capital investors and strategic power industry investors. For 40 years, Dr. Cazalet has been active in state and federal energy policy debates, including synthetic fuels, natural gas deregulation, electric power generation, transmission planning, and electricity storage. He was the initial advocate for California's "Energy Storage Systems" mandate known as the bill AB 2514. Cazalet holds a Ph.D. from Stanford University where he focused on decision analysis, economics, and power systems.***

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**WHO ARE WE?**

**Stratton Report** covers developments in advanced power finance, renewables and distributed energy business models and innovation, via journalism, video, and unique networking events. Our Sister organization StrattonStudio focuses on producing unique hybrid events, combining the best of face-to-face networking with video interviews and online education.

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