

DOCKETED

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Integrated Systems

The issue here as it has been for now over 2 decades is NOT on-site distributed systems and separately central grid, but both together for many reasons. What I call in my first book serving Gov Davis and out after the "recall" Agile Energy Systems (Elsevier Press, Feb 2004) which is now coming out updated and global this summer with international cases too. Both systems need to exist, especially with EV, AV and all solar powered cars. The key is to move OFF of ALL fossil fuels including "clean" like natural gas, diesel and nuclear etc. Check out the work and books that I have done in this area over the last decade +
Dr. Woodrow Clark

Additional submitted attachment is included below.

Woodrow W. Clark II, MA³ PhD

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Qualitative economist with proven leadership in creating, directing and implementing strategic policy visions and economic plans in public-private partnerships to achieve technical and financial goals.

CO-RECIPIENT NOBEL PEACE PRIZE (2007) for work on UN IPCC (1996-2000)

Clark Strategic Partners

2004 - present

**Founder/ Managing Director, Clark Strategic Partners
Beverly Hills, California USA**

- Keynote Speaker, University Lecturer at Events, Academic, Business meetings and Panel Moderator around the world (USA, China, Denmark, Italy etc). See below.
- Re-Appointed in 2016 to the B-20 Financial and Infrastructure Task Force, UN for Germany C-20 Group in 2017, for the UN Paris Conference (December 2015).
- Appointed B-20 Financial Task Force, UN for China C-20 Group UN Paris Conference (December 2015) and attended the B-20 Summit that participated in the G-20 Summit, Sept 2-5, 2016 in Hangzhou, China: See B-20 Results at: <http://en.b20-china.org/>
- Quest Lecturer at Rice University (Baker Institute) Houston, TX and Roosevelt University, Chicago, Ill as well as UN Association of Southern California, Honored as one of five leaders in Sustainability in Southern California, September 2016
- Author and on Editorial Board for Energy review Journal (Mandarin), Beijing, China
- Co-Producer and Speaker, "Smart Green Cities", Investor TownHall, San Diego, CA April 2016
- Creator and Chair, Next 100 Year Committee, Beverly Hills Centennial 2013-2015
- Chair, Citizens Oversight Committee, Beverly Hills Unified School District Bond Funds, Measure E 4334 million 2009-2015.
- Author of Eleven Books (See list Below) from 2004-2016
- Energy Advisor, Los Angeles Community College District, Los Angeles, California for bond funds \$5.3 Billion 2004-2010
- Core Team Advisor on Plans, Foundation on Economic Trends / Office of Jeremy Rifkin, Washington, DC 2005-2009
- Advisor Renewable energy plans, Paramount Pictures, Los Angeles California 2009
- Senior Foreign Energy Advisor, Asian Development Bank (ADB), Inner Mongolia Autonomous Region (IMAR) Energy Infrastructure Systems in People's Republic of China (PRC) 2006-2007
- US State Department, Special Speakers on "Climate Change"- People's Republic of China (PRC, spring 2010) West Africa (fall 2010) and EU (Spain and Netherlands) 2011-2012 including Island Nations of Mauritius and Seychelles.

Clark Mass Media Company (CM²C)

Erestarted Clark Communications from San Francisco in Beverly Hills
More details below.

2012 -- present

Rejoined the Producers Guild of America (PGA)

2007 -- present

Academic Teaching and Administration

2005-2012

University California, Los Angeles

- Academic Professor, Development Cross-disciplinary in Science & Technology (2011-2012)

University California, Riverside and Palm Desert Campus

- Taught in MBA program and Business School, MBA (2006-2008)

University California, Berkeley, Haas Business School

- Advisor/Taught, Clean Tech Institute, University of California, Berkeley, Haas Business School
- Lectured and spoke at Conferences on Climate Change (2006-2008)

Pepperdine University

- Taught MBA Program and Law School (2005-2009)

Senior Renewable Energy Advisor, Governor Gray Davis

Deputy Director, Office of Planning and Research

2000 – 2003

- Created new economic, renewable energy and environmental technology policies and programs.
- Chaired / Organized Hydrogen Economy Forum (Aug 03), Public-Private with 60+ representatives
- Created / Directed Interagency Working Group (50+people) economic, energy / environmental policies
- Initiated business/economics models for Sustainable Development and Historic Districts (Los Angeles)
- Director and co-author/editor California Reports: 1) Environmental Goals Policy, 2) “California’s Next Economy”, 3) Los Angeles Life Sciences Strategy, 4) “State Renewable Energy Investment Strategies”
- Founded and Chaired State Renewable Energy Economic Forums (e.g. wind, solar, bio-mass, geothermal and others) to commercialize new advanced technologies for fuel cells, hydrogen, etc.
- Co-Founded and Co-Chair California Stationary Fuel Cell Collaborative now part of the CEC
- Created and Chaired collaborative mechanisms for Renewable Technologies and Hydrogen Economics
- Key Author: “California’s Next Economics” and California Hydrogen Highway” (Executive Order)
- Co-Chaired Intermittent Resources Working Group (20+ firms & CAL ISO) for FERC “Tariffs”
- Author, "Energy (Economics) Infrastructure Section", Governor's Commission 21st Century (Feb. 2002)

Visiting Professor, Faculty of Natural Sciences, Department of Engineering and Planning

At Aalborg University, Aalborg and NOVI Science Park, Aalborg, Denmark

1999-2000

- Taught entrepreneurship to Science faculty and students and Guest Lecturer at other EU Universities
- Created and lead an EU MBS (Master of Business in Science) degree program
- Conducted research and published papers on Science Parks

Manager for Technology Transfer, Energy Directorate

1994 - 1999

Lawrence Livermore National Laboratory

University of California and US Department of Energy (USDOE), Livermore, CA

Strategic Technology Business Manager

- Co-Manager Team budget of \$52 million annual R&D Budget with 840 FTEs
- Developed economics, marketing and strategic plans (3 funded for \$5 million) for international finance in Technology Transfer and Commercialization with 12 American Partnerships created over 6-years
- Created new commercial research development for business alliances of government and private sectors
- Team member/business Leader, Emerging Technologies (fuel cells, re-generative braking, flywheels)
- Participated in UN and multi-national organizations: UN Intergovernmental Panel on Climate Change (IPCC) and Framework Convention on Climate Change (FCCC)
- Worked with US Dept of Energy for projects in Hawaii and Philippines.

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Fulbright Scholar 1994
Aalborg University, Aalborg, Denmark

- Taught and conducted research in technology transfer and entrepreneurship
- Set up International Entrepreneurship MSA Program with three other EU universities

Current Boards and Associations 2016

- Advisor and Board member Board Member to public company, PRHL, Tustin, CA
- Advisor to Eco-Gen, Van Nuys, CA
- Board Member to Earth Accounting, Semi Valley, CA
- Board Member, Solar Program Alliance, City of Santa Monica, CA.
- Research Associate, Mineta Institute (MITI), San Jose State University, CA since 1994..
- Producers Guild of America (PGA), Green Committee, Los Angeles, CA.
- Board of Governors, Muni League, Beverly Hills, CA.
- Advisor, Cure4Hunger Program, Advisor for Island Nations

Education

Ph.D.	University of California, Berkeley	Anthropology/Education/Economics	1977
M.A.	University of Illinois, Urbana	Anthropology/Linguistics	1975
M.A.	Loyola University, Chicago	Administration/Education	1972
M.A.	Roosevelt University	Political Science / Economics	1970
Certificate	Northwestern University	African Studies	1968
B.A.	Ohio Wesleyan University	Political Science/Economics	1967
	Certificated for life-time teaching from K-14 levels of education in California		1976

Field work in Bogota, Columbia (1970), Costa Rico (1970) and IMAR in China for the Asian Development Bank (2006-07)

Current projects, conferences, lectures on Economics as well as the Blue Foundation from 2004-2011 and island nations in Caribbean, Cayman and Maritius Island.

Graduate Degree Thesis Titles

University of California, Berkeley (PhD): “Violence in Public Schools”

Roosevelt University (MA): “The Political Economics in urban regions”

Loyola University, Chicago (MA): “Philosophical Roots beneath Alternative Education”

University of Illinois, Urbana (MA): “Urban education in developing countries”

Current Positions

- Professor, University of International relations (UIR) Summer School, Beijing 2015, 2016 and 2017
- Editorial Board Member and Writer, Energy Review Journal (ERJ), Beijing 2016--
- Advisor to three Companies: Earth Accounting (measurement of products), Eco-Gen (central on-site power from renewable energy power system) and HyGen (hydrogen refueling stations by use of renewable energy sources) and Board Member to PRHL (public energy company supplier)
- Served on Non-Profit Groups: California Lung Association, University of California, Berkeley Alumni Board and Cure4Hunger.

Book Publications

For 2018:

- Clark II, Woodrow W. Author / Editor. **Climate Preservation**. Elsevier Press
- Clark II, Woodrow W. and Michael Fast, Authors / Editors. **Qualitative Economics: The Next Economics**. Springer Press.

Out in 2017:

- Clark II, Woodrow W. Author / Editor. **2nd Ed Sustainable Communities and Cities Design Handbook**. Elsevier Press, Fall 2017
- Clark II, Woodrow W & Laurence Kuhn. **Violence in Schools, Colleges and Universities**. NOVA Press, 2017
- Clark II, Woodrow W. Author / Editor. **Agile Energy Systems: Global green distributed on-site and central power grid**. Elsevier Press, 2017

Current Books Published

- Clark II, Woodrow W. & Grant Cooke. **Smart Green Cities**. Routledge Press, March 2016.
- Clark II, Woodrow W. & Grant Cooke 伍德罗·克拉克,格兰特 with Anjun Jerry JIN & Ching-Fuh LIN 库克,金安君,林清富 **Green Industrial Revolution in China** (Mandarin). Ashgate and China Electric Power Press, August 2015.
- Clark II, Woodrow W. & Grant Cooke. **Green Industrial Revolution**. Elsevier Press, 2014
- Clark II, Woodrow W. Lead Author and Chief Editor. **Global Sustainable Communities Design Handbook**. Elsevier Press, 2014.
- Clark II, Woodrow W. Lead Author and Editor. **The Next Economics: Global Cases in Energy, Environment, and Climate Change**. Springer Press, Fall, 2012
- Clark II, Woodrow W. & Grant Cooke. **Global Energy Innovations**. Praeger Press, Fall, 2011
- Clark II, Woodrow W. Editor/Author. **Sustainable Development Design Handbook**. Elsevier, 2010
- Clark II, Woodrow W. Editor /Author. **Sustainable Communities**. Springer Press, 2009
- Clark II, Woodrow W. & Michael Fast. **Qualitative Economics: toward a science of economics**. Coxmoor Press, 2008 to be updated and published in 2017.
- Clark II, Woodrow W. & Ted Bradshaw. **Agile Energy Systems: Global Lessons from the California Energy Crisis**. Elsevier Press, 2004 and updated to be published by Elsevier in 2017

Keynote Speeches, Lectures and Awards (2008-2017 partial list)

Recent (Spring 2017):

Interview Live from Los Angeles to Beijing on “Clean Energy” during Under2 Conf in Beijing 6 June

2017 On CGTN Media (www.cgtn.com) Network at:

https://www.youtube.com/watch?v=HhYZWBBkZKw&index=3&list=PLt-M8o1W_GdSNhViAVk4Fq8IItW8PHBVf

Moderator and Speaker: Sustainable Smart Green Cities Infrastructure Session

Green California Summit , Sacramento, CA(26-27 April 2017)

<http://www.green-technology.org/gcsummit17/session-descriptions.html#3>

Keynote Speaker. Zhongguancun Development Group (ZDG): Science Park.14 April 2017

Beijing, China <http://mp.weixin.qq.com/s/jfnHQyBnZyEnA4Vkejj-ug>

Lecturer. Environmental Economics.” Cheung Kong Graduate School of Business (CKGSB)

Beijing Campus: E2-2005, Oriental Plaza,Beijing, China, 100738

<http://www.ckgsb.edu.cn/emba/activity/detail?activityid=976>

Associate Editor for Academic, Economic and Public Policy (current partial list)

- Member of Editorial Board for Energy Review Journal, Beijing, China 2016 ---
- IEOC (International Election Oversight Commission) Report on Taiwan Election Results Lead Author and Edited by Woodrow W. Clark II, PhD and Co-Chaired with retired Senator Frank Murkowski, Alaska. Introduction by Senator Lisa Murkowski. US Congressional Record (21 Sept 2012)
- Associate Editor and Author, International Journal on Social Development, Beijing, PRC
- Associate Editor. Utilities Policy Journal. Elsevier Press, London, UK
- Associate Editor. Energy Policy Journal. Elsevier Press, Paris, FR
- Co-Editor, International Journal of Global Energy Issues, Interscience Press, UK
- Co-Editor. International Journal of Technology Transfer and Commercialization. Interscience, UK

Academic Peer Reviewed Publications, Reports and Papers (Partial List)

- Khoodaruth, A.V. Oree, M. K. Elahee and Woodrow W. Clark II, “Exploring options for a 100% renewable energy system in Mauritius by 2050”, Journal of Unities Policy (JUIP) 2017.
- Peng, Huiwen, “Bring a piece of Green for Industrial Revolution” (Interview of Dr. WW Clark II), Energy Review (Mandarin), pp. 59-64. September, 2015
- Hector, Bruce, Joshua Schenk, Woodrow W. Clark II and Alberto Saavedra, “The Universal Ecolabel: International Journal of Applied Science and Technology”, Vol.e No. 4. October 2014.
- Hector, Bruce M.D., Woodrow W. Clark II, MA³, PhD., Joshua Schenk and Al Saavedra, MBA, “The Universal Ecolabel”, International Journal of Applied Science and Technology, Vol. 4, No.4. Online at: 20 August 2014: 25 pages.
- Clark, Woodrow W. II, “Asia Leapfrogs Ahead into the Green Industrial Revolution”, BOAO, (English and Mandarin), Amsterdam, October 2014.
- Clark, Woodrow W II. “The relationship between sustainable markets for sustainable development”, Chapter #7 in Guler Aras (Editor), Sustainable Markets for Sustainable Business, Gower Press, Fall 2014.
- Greenfield, Jon MD MBA and Woodrow W. Clark II, MA³ PhD. “Re-Make ‘Made in America’ Community Real Estate Construction and Sustainable Development”, Los Angeles review of Books, October 28, 2013.
- Fast, Michael, Frederik Hertel and Woodrow E. Clark II, “*Economics as a science of the Human Mind and Interaction*”, Theoretical Economics Letters, Scientific Research Publishing Inc. vol 4, June 2014 online pp: 477-487.
- Sun, Xiaolei, Jianping Li, Yongfeng Wang and Woodrow W. Clark, *China’s Sovereign Wealth Fund Investments in overseas energy: the energy security perspective*, Energy Policy, October 26, 2013
- Fast, M. and W. Clark II, "Qualitative Economics—A Perspective on Organization and Economic Science," *Theoretical Economics Letters*, Vol. 2 No. 2, 2012, pp. 162-174.

Clark Mass Media Company (CM²C)

Restarted from Clark Communications in San Francisco, CA (1980s)

Woodrow W. Clark II, MA³, PhD.

Chair, Executive Producer and Producer

New projects such as “Climatic”, “Kids Green Planet”, “Beverly Hills Building Bullies” and “Detroit DeLorean -- What Happened to the American Dream”

Videos Re-released Available via PayPal – August 2016 – present

<https://vimeo.com/ondemand/thehealingforce>

<https://vimeo.com/ondemand/sexualshakedown>

<https://vimeo.com/ondemand/workinglate>

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