

FACT SHEET

Fuel Cell Summit 2005

A Solutions-based event designed to accelerate fuel cell advancement
www.Fuelcellsummit.com

Featuring 2 Conferences in 1

SME: *Manufacturing...Alternative Energy's Future*

CCEF: *Moving Fuel Cells into the Mainstream*

WHO: Developed in partnership, The Fuel Cell Summit 2005 combines two conferences: Society of Manufacturing Engineers (SME)'s "*Manufacturing Alternative Energy's Future*," and Connecticut Clean Energy Fund (CCEF)'s "*Moving Fuel Cells into the Mainstream*."

Gold Sponsors: Fuel Cell Energy, Robinson & Cole, UTC Fuel Cells

Silver Sponsors: Connecticut-One Voice, Proton Energy Systems, Shipman & Goodwin LLP, Updike Kelly Spellacy, P.C.

Endorsing Partners: American Society of Mechanical Engineers (ASME), Arno A. Evers FAIR-PR., Clean Energy States Alliance, Connecticut Center for Advanced Technology (CCAT), Connecticut Global Fuel Cell Center, Connecticut Power & Energy Society (CPES), Fuel Cell 2000, National Center for Manufacturing Sciences (NCMS), National Hydrogen Association (NHA), National Renewable Energy Laboratory (NREL), and US Fuel Cell Council.

WHAT: SME Conference: "Manufacturing ... Alternative Energy's Future"

This groundbreaking event is designed to help manufacturers learn how they can play a role as a future supplier to the growing fuel cell industry.

CCEF Conference: "Moving Fuel Cells into the Mainstream"

This event will explore how the fuel cell markets are currently finding successes to commercialization and taking on the challenges of existing barriers.

Mohegan Sun Casino & Resort

1 Mohegan Sun Boulevard
Uncasville (Hartford), CT 06382
T: 1-800-226-7711

www.mohegansun.com

Sunday, October 23, 1 p.m. – 4 p.m.

Monday, October 24, 8 a.m. – 9 p.m.

Tuesday, October 25, 8 a.m. – 4 p.m.

[SUNDAY, OCTOBER 23, 2005](#)

The partnering organizations, SME and CCEF begin this event with a Fuel Cell Fundamentals Workshop followed by two days of sessions unique to each organization.

Fundamentals Workshop: How Fuel Cells Work: 1 p.m. – 4 p.m.

This half-day workshop presented by The Connecticut Global Fuel Cell Center will provide a general understanding of how fuel cells function and their potential industry application. It will include an in-depth analysis of the latest fuel cell advancements – covering both the advantages and disadvantages – of various fuel cell technologies.

- More -

MONDAY, OCTOBER 24, 2005

- 8 a.m. Introduction: Elaine A. Pullen, Chair, Connecticut Innovations, Inc.
Welcome Address: Honorable M. Jodi Rell, Governor, the State of Connecticut - Invited
- Keynote Address: "How Breakthroughs Happen: Lessons for Fuel Cells from Technologies Past and Present," presented by Andrew Hargadon, Director, Technology Management Programs, Graduate School of Management, University of California-Davis.
- 9 a.m. – 9:30 a.m. Break – Exhibit area
- 9:30 a.m. – 12:30 p.m. Conference Sessions – Two Separate Tracks – SME & CCEF
Lunch and Exhibits - Noon - 1:30 p.m.
- 1:30 p.m. – 5 p.m. Conference Sessions: Two Separate Tracks – SME & CCEF
- 5 p.m. – 7 p.m. Reception: Sponsored by Updike Kelly Spellacy, P.C.
A poster session will coincide with a networking reception that will allow participants to view innovative and breakthrough projects, technologies and companies.
Opportunities for you to discuss one-on-one with these leading innovators. Exhibit area open for viewing by fuel cell industry participants.
- 7 p.m. – 9 p.m. Networking Dinner with Keynote Presentation:
"Scenarios and Strategies: Hydrogen and Fuel Cell Commercialization to Meet the World's Energy Demand," featuring Arno A. Evers. Hosted by Connecticut Power & Energy Society (CPES).

SME TRACK**9:30 a.m. – 10:10 a.m.**

- Manufacturing Advantages & Challenges from the End-User Perspective: Hydrogen Production & Storage
- Fuel Cells and Hydrogen – Pathways to the Future
- Performance & Reliability Requirements of Hydrogen Production, Storage & Stack for Fuel Cell Buses

10:10 a.m. – 11 a.m.

- Manufacturing Advancements & Challenges from the Fuel Cell Company Perspective: Hydrogen Production & Storage
- Case Study: Manufacturing & Assembly of 120kW Bus Power Plant
- System Integration of DTE's Hydrogen Power Park Advancements in Large Electrolysis Systems

11 a.m. – 11:15 a.m. – Break in Exhibit Area**11:15 a.m. – Noon**

- Manufacturing Advancements and Challenges from the End-user Perspective Fuel Cell Systems, Components, BOP
- Department of Defense Stationary Fuel Cell Demonstrations
- Advancements in NASA Fuel Cell Technology

1 p.m. – 2 p.m.

- Manufacturing Advancements & Challenges from the Fuel Cell Company Perspective: Fuel Cell Systems, Components, BOP
- Manufacturing Challenges for Hydrogen on Demand Fuel Cartridges
- The Henry Ford Approach to Fuel Cells
- MEA Design Solutions for Systems Performance

- More-

2 p.m. – 2:20 p.m.

Manufacturing Breakthrough Collaboration Projects on Hydrogen Storage Systems & Fuel Cell Components/Systems

2:20 p.m. – 2:40 p.m.

DOE Manufacturing Roadmap for Hydrogen Production, Storage & Fuel Cell Systems

2:40 p.m. – 3 p.m.

Break in Exhibit Area

3 p.m. 4:45 p.m.

Panel Discussion: *Enabling Manufacturing & Supply Chain*

MONDAY, OCTOBER 24, 2005

CCEF TRACK:

9:30 a.m. – 10:55 a.m.

Session 1: If Fuel Cells are so great...why aren't they in your backyard?

This session on small fuel cells will explore market opportunities and three case studies. Panelists will include a manufacturer's perspective on market potential, a company with successful deployment and a company actively considering deployment but has barriers to overcome.

Break – Exhibit Area

11:10 a.m. – 12:30 p.m.

Session 2: If Fuel Cells are so great...why aren't they in your mobile devices?

This panel discussion explores market opportunities for portable applications of current fuel cell technology. There will be three diverse case studies followed by an audience discussion.

Lunch – Exhibit Area

1:30 p.m. – 3:05 p.m.

Session 3: If Fuel Cells are so great...why aren't they at your business?

This session will explore the large stationary fuel cell market, again with three different perspectives, followed by an audience participated discussion.

Break – Exhibit Area

3:20 p.m. – 4:55 p.m.

Session 4: If Fuel Cells are so great ...why aren't they everywhere?

This session provides the latest information on current market barriers from the fuel cell company perspective. Presented by the company's chief executives, this will be followed by a participated discussion.

TUESDAY, OCTOBER 25, 2005

8 a.m.

Opening of session

Keynote Address: "Finding Markets: Bringing Fuel Cells to the 2012 London Olympics," presented by Allan Jones, M.B.E., Chief Development Officer, London Climate Change Agency, City of London

9 a.m. – 9:30 a.m.

Break in Exhibit Area

9:30 a.m. – 12:30 p.m. Conference Sessions – Two Separate Tracks – SME & CCEF

Noon – 1:30 p.m.

Lunch and Exhibits

- More -

1:30 p.m. – 3:30 p.m.

- Clean Energy States Alliance Meeting – Public Invited
- *Fuel Cell Vehicle Rides*
- *Tour of the Mohegan Sun Fuel Cell Installation*

SME TRACK:

9:30 a.m. – Noon

Technology Exchange & Transfer to Fuel Cell Community: Advancements in Fuel Cell Technologies at Universities, National Labs, and Government Institutions

This panel discussion will focus on the latest advanced technologies and processes being addressed in the area of fuel cell development.

10:30 a.m. – 10:45 a.m. – Break in Exhibit Area

CCEF TRACK:

9:30 a.m. – 10:45 a.m.

Session 5: If Fuel Cells are so great...why aren't they everywhere? – Part II

In this session, comment will involve local and regional power industry regulators, the investment community and utilities. Each of these entities is positioned to facilitate or constrain the deployment of fuel cells in unique ways.

Break in Exhibit Area

11 a.m. – 12:30 p.m.

Session 6: Now you've heard the talk help us walk the walk.

With a focus on identifying solutions, this session will consist of break-out groups to address the various market barriers and discuss creative opportunities to overcome current obstacles.

Lunch

1:30 p.m. – 3:30 p.m.

Session 7: Clean Energy States' Alliance Meeting:

The Public Alliance Fuel Cell (PFCA) Group will hold a meeting of its working group in conjunction with the 2005 Connecticut Fuel Cell Summit. All participants interested in learning about the multi-state activities of the PFCA or collaborating on future activities are encouraged to attend.

Additional Information: Fuel Cell Summit

To register for the "Fuel Cell Summit 2005, visit the Web site at <http://www.fuelcellsummit.com>, or call the SME Resource Center at (800) 733-4763 or (outside the U.S. and Canada) at (313) 425-4500, 8 a.m. - 5 p.m., Monday-Friday, EST, or FAX to (313) 425-3401.

LOCAL ATTRACTIONS:

While in the area, attendees will have an opportunity to enjoy these local attractions:

~~///~~ **Tour the "UTC Fuel Cell Center"**

To arrange a tour on Wednesday, October 26, contact Valerie Bolden-Barrett at (860) 727-7320.

Visit www.utcfuelcells.com

~~///~~ **Tour the "Connecticut Global Fuel Cell Center" at the University of Connecticut**

To arrange a tour, contact Tricia Bergman at (860) 486-8375.

Visit www.ctfuelcell.uconn.edu

- More-

☞ Pautipaug Country Club, Baltic, Conn.
For information call (860) 822-6944, or visit www.pautipaug.com

☞ **Mystic Aquarium & Institute for Exploration**
For information on location and hours, call (860) 572-5955, or visit www.mysticaquarium.org

About Connecticut Clean Energy Fund:

Connecticut Clean Energy Fund - The Fund, financed by a surcharge on ratepayers' electric utility bills, is managed and administered by Connecticut Innovations, a quasi-public state agency. The Connecticut Clean Energy Fund is engaged in a focused effort to foster the production and use of clean energy. It accomplishes this legislative mandate by investing in initiatives and enterprises through a variety of programs created to stimulate technology development and commercial use of; fuel cells, solar energy, biomass, as well as to promote public education and awareness in Connecticut.

About SME:

The Society of Manufacturing Engineers is the world's leading professional society supporting manufacturing education. Through its member programs, publications, expositions and professional development resources SME promotes an increased awareness of manufacturing engineering and helps keep manufacturing professionals up-to-date on leading trends and technologies. Headquartered in Michigan, SME influences more than half a million manufacturing engineers and executives annually. The Society has members in 70 countries and is supported by a network of hundreds of chapters worldwide.

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