



Texas Industries of the Future



INSTITUTE FOR

Industrial Productivity

Sharing best practices for low carbon enterprises

Technology Forum:

Low Temperature Waste Energy Recovery in Chemical Plants and Refineries

Agenda

May 16, 2012

Brady's Landing

Houston, TX

9:30 *Registration Open*

Coffee and Visit with Technology Providers

10:00 [*Welcome and Goals for Today's Program*](#)

Frank Roberto, ExxonMobil

Texas Industries of the Future, Advisory Committee Chair

10:10 [*Institute for Industrial Productivity*](#)

Jim Quinn, Head, North American Programs

Institute for Industrial Productivity

10:20 [*Needs and Opportunities in the Process Industries*](#)

Kathey Ferland, Texas Industries of the Future

Riyaz Papar, Hudson Technologies

Roundtable Discussion with End-Users

11:10 *Technology Presentations*

#1 [*Organic Rankine Cycle \(Colin Duncan, Ormat Technologies\)*](#)

#2 [*Absorption Chilling \(Don Erickson, Energy Concepts\)*](#)

#3 [*Organic Rankine Cycle \(Fabio Sventurati, GE Oil & Gas\)*](#)

#4 [*Fuel Cell \(Pinakin Patel, FuelCell Energy, Inc\)*](#)

#5 [*Organic Rankine Cycle and Chilled Water \(Tom Tillman, TAS\)*](#)

#6 [*Kalina Cycle \(Henry Mlcak, Recurrent Engineering\)*](#)

12:10 *Lunch Provided. Visit with Exhibitors/Presenters.*

1:10 *Directions of Research on Low-Temperature Value Recovery Technologies*

[*Fuel Cells—the Chemical Plant of the Future*](#)

Pinakin Patel and Fred Jahnke, FuelCell Energy, Inc.

ORC and Other Heat Recovery/Power Generation Cycles

Donna Post Guillen, PhD, PE
Advanced Process and Decision Systems Department
Idaho National Laboratory

1:40 *Break*

1:50 *Discussion/Prioritization on the Question:*

What actions are needed to advance waste energy recovery in these industries?

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2:50 *Next Steps*

Frank Roberto and Kathey Ferland

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