This seminar is held every year and attracts about more than 150 participants from all over Japan. In the 13th seminar we will be focusing on “Latest Energy-saving Technology and Introduction Example abound in Ingenuity” which delivers the latest information on saving energy, such as new technologies and technology imports. By registering for this seminar you will learn useful guidelines and tools of latest saving energy technologies and also meet people with common interests and aspirations.

(Lectures conducted in Japanese only)

Who Should Attend:
Engineers, Superintendents and Technical Support personnel for companies involved in pulp and paper industry, energy and related industries.

Seminar Schedule:
Thursday, February 19 10:30AM to 5:20PM
Friday, February 20 9:30AM to 2:45PM
Fees:  JAPAN TAPPI Member Price 16080JPY
       Non-Member Price 18180JPY
2009 The 13th Saving Energy Seminar
2/19/2009-2/20/2009
Towerhall Funabori
Tokyo

Sponsored by JAPAN TAPPI
Organized by Energy Committee
2/19/2009  10:30am-0:10pm

10:30am  **Opening Address**
Hiroshi Sugawara, Director, Hokuetsu Paper Mills, Ltd.

10:40am  **Latest and Future View of Electric Vehicles and Fuel-cell Vehicles**
N. Ogino, Japan Automobile Research Institute

11:40am  **Energy Saving by Review and Adjustment of Existing Facilities**
T. Azumi, Nikko Mill, Oji Paperboard Co., Ltd

2/19/2009  1:10pm-5:20pm

1:10pm  **Water Conservation and Energy Saving Program with Process Analysis by Applying Sealing BAT(Best Available Technology)**
K. Matsunishi, A. W. Chesterton International

1:50pm  **Steam Saving by Chilled Water Temperature Optimization in R8 Process**

2:20pm  **Case Study of Steam Saving by Installing Mini-shoe Press**
N. Sekine, Hachinohe Mill, Mitsubishi Paper Mills Limited

3:10pm  **Steam Trap Management System**
H. Dairaku, MIYAWAKI Inc.

3:50pm  **Energy Saving by Waste Heat Recovery from Sludge Incinerator**
K. Tajika, Kasugai Div., Oji Engineering Co., Ltd.

4:20pm  **Water Saving of Existing Facilities to Install New Paper Machine**
Y. Watanabe, Niigata Mill, Hokuetsu Paper Mills, Ltd.

4:50pm  **Reduction of Steam Consumption Rate by Heat Recovery of Turbine Condenser Cooling Water**
H. Akaike, Takaoka Mill(Futatsuka), Chuetsu Pulp & Paper Co., Ltd

2/19/2009  0:10pm-1:10pm
**LUNCH**

2:50pm-3:10pm  **Coffee Break**

5:30pm-7:00pm  **Buffet Party**
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| 2/20/2009  | 9:30am-0:00pm | Results of Fy2008 Follow-up to JPA's Voluntary Action Plan and Report of Energy Situation in Pulp and Paper Industry in Japan  
N. Ikeda, Japan Paper Association |
| 10:50am    | Development of High Efficiency Heat Pump Modular Chiller and Use Example  
K. Muroi, Toshiba Carrier Corporation |
| 11:30am    | Saving Energy with Lighting Lamp and shade  
S. Soeki, Technology Div., Oji Paper Co., Ltd. |
| 2/20/2009  | 1:00pm-2:45pm | Integration of Real-time Energy Conservation Monitoring  
K. Fujita, Yokogawa Electric Corporation |
| 1:40pm     | Energy Saving in Activated Sludge Process  
T. Osada, Yashio Mill, Rengo Co., Ltd. |
| 2:10pm     | Improvement of Heavy Oil Consumption in No.1 Lime Mud Kiln  
| 2:40pm     | Closing Address  
Kunitaka Toyofuku, Executive Director, Japan Tappi |
| 2/20/2009  | 10:30am-10:50am | Coffee Break |
| 0:00pm-1:00pm | LUNCH |