



## MICHAEL NOBEL ENERGY TECHNOLOGY SYMPOSIUM

- Use of Solar Energy in Asia -

-- The International Collaboration of Academia and Industry in the vision of  
Asia Energy Network --

*Co-sponsored by*

Technology Forum for the Future Asia (TeFFA)

Future Innovation Engineering Society (FIE)

*Under the auspices of*

Research Laboratory for Nuclear Reactors, Tokyo Institute of Technology

Delhi Technological University

Rajiv Gandhi Technological University

It becomes an urgent issue how the world should secure energy acquisition in the coming decades, not to mention Japanese considerable concern on this issue after the nuclear accident of March 11, 2011. Asia Pacific Sunbelt Development Association (APS) and Future Innovation Engineering Society (FIE) hereby jointly propose the holding of the international symposium on the theme, "Use of Solar Energy in Asia -- Asian Energy Network of Sun-belt". We are happy to announce to invite Dr. Michael Nobel, Nobel Charitable Trust Foundation and will convene the symposium on February 21, 2013.

The symposium provides you with opportunity to reconsider your challenge and vision of the Asia Energy Network of Sun-belt as well as how we, Japanese universities, university spin-off ventures, and industries, should take responsible position. We hereby invite you to participate in the symposium, and to come along our cause.

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**【DATE & TIME】** February 21, 2013 (Thursday)

14:00 -- 17:55 Symposium (open a door at 13:30)

18:10 -- 19:30 Fellow Banquet

**【PLACE】** West 8 Bldg., E-Tower 10F Conference Room  
Tokyo Institute of Technology, Ookayama Campus

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**【PROGRAM/ SPEAKERS】**

14:00--14:05 Introduction

14:05—14:45 1. Keynote Speech

■ Alternative Energy Now and in the Future

- 14:45--15:45 Dr. Michael Nobel, Senior Fellow, Tokyo Institute of Technology  
 2. Proposals from Academia  
 ■ Indo-Japan University-University Collaboration  
 -- For IU<sup>2</sup> Leading to JE<sup>3</sup>  
 Professor P.B. Sharma, Vice Chancellor,  
 Delhi Technological University  
 ■ Asia Energy Network (AEN) Framework of Sunbelt  
 Professor Yutaka Tamaura, Department of Chemistry, Graduate School of  
 Science and Engineering, Tokyo Institute of Technology
- 15:45--15:55 3. Proposal from the Indian local government  
 ■ Energy Strategy in Uttar Pradesh  
 Mr. Akhilesh Yadav, Chief Minister of Uttar Pradesh, India
- 15:55--16:10 Recess
- 16:10--17:40 4. Proposals from Industry  
 ■ Nissan EV Challenge  
 Dr. Haruyoshi Kumura, Fellow, Nissan Motor Co., Ltd.  
 ■ Prospect of Collaboration between India and Japan  
 in the Field of Renewable Energy  
 Mr. Rajinder Kumar Kaura, Chairman and Managing Director, Bergen  
 Group (Director General, Solar Energy Society of India)  
 ■ Advanced Electric Power Technology toward Asia  
 -- MERS technology applied for Electric Power  
 Professor Ryuichi Shimada, MERS Collaborative Research, Research  
 Laboratory for Nuclear Reactors, Tokyo Institute of Technology  
 Mr. Masahito Shiga, President, MERSTech
- 17:40--17.55 5. Summary  
 ■ Future Work  
 Professor Masanori Aritomi, Tokyo Institute of Technology  
 Professor Hirokazu Hirano, Kanagawa Institute of Technology  
 Mr. Hiroshi Katoh, Digital Process Ltd.
- 18:10--19:30 Banquet  
 at Kinomi Garden, University Cafeteria 2F

**【ENROLLMENT】**

80 persons

(Upon reach of the fixed number, the enrollment will be closed)

**【FEE】**

Symposium      general admission      ¥2,000      student      ¥1,000

Banquet      ¥3,000

**【APPLICATION】**

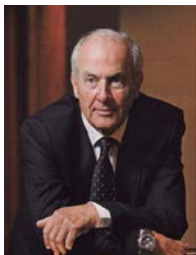
Please send us an e-mail application at [obm-nobel sympo@dipro.co.jp](mailto:obm-nobel sympo@dipro.co.jp)

Specify the following items; (1) "Michael Nobel Symposium" at e-mail subject, (2) your name, (3) affiliate, (4) contact address (zip, address, Tel, e-mail address), (5) yes or no for the banquet participation

(Michael Nobel Symposium secretariat: Kunitomo, Katoh, Kamoshita, Yagi)

(note) Reference to the latest information of the Program:

[http://www.groups.yahoo.co.jp/group/mnobel\\_forum/](http://www.groups.yahoo.co.jp/group/mnobel_forum/)



(Remarks)

1. *Asia Pacific Sunbelt Development Association (APS)*

*APS promotes exchange of information and collaboration between research organizations both domestic and abroad which conduct solution oriented research for the future needs of the society and industry. APS persuades university researchers, industry, governments, NPO and relevant others, especially in the field of solar energy technology, to create new projects for which they work together. APS engulfed various Asian countries for inquest of new social system, and developed collaboration with the outside body such as Asia Solar Energy Forum. APS made a project with India operated since September, 2012.*

2. *Future Innovation Engineering Society (FIE)*

*FIE is the research society as cross-industrial association, notably whose core members are TIT graduates. The purpose of the society is to provide the members with opportunities to enhance international, cross-industrial, academic research and research management among the members. FIE was established in 1992 with core members of 16 TIT graduates and observers.*

3. *Uttar Pradesh*

*Uttar Pradesh (pron.: / ʊtər prəˈ dɛʃ /) (literally meaning "Northern Province"), abbreviated U.P., is the second largest Indian state by economy, with a GDP of US\$128.86 billion, the fifth largest in area, located in Indo-Gangetic Plain of northern India, and the most populous state of 190 million. Lucknow is the capital of Uttar Pradesh and Kanpur is the economic and industrial capital. Chief Minister Yadav of Uttar Pradesh visits us today to promote collaboration between India and Japan for the industry and academia to resolve the urgent issue of energy both nations have faced and will do ever stronger.*

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#### [SPEAKERS PROFILE]

■ Dr. Michael Nobel

Senior Research Fellow, Tokyo Institute of Technology

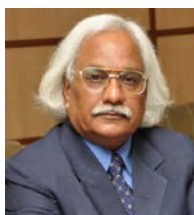
Dr. Michael Nobel is known as a descendant of Alfred Bernhard Nobel, and the president of Nobel Charitable Trust Foundation in Sweden. Besides his active commitment to the Nobel Prize, he consults private corporations.

[Keynote Speech]

Alternative Energy Now and in the Future

■ Professor P. B. Sharma

Vice-Chancellor, Delhi Technological University



[Speech]

Indo-Japan University-University Collaboration  
For IU<sup>2</sup> Leading to JE<sup>3</sup>

■ Professor Yutaka Tamaura  
Department of Chemistry, Graduate School of Science and Engineering, Tokyo Institute of Technology



[Speech]  
Asia Energy Network (AEN) Framework of Sunbelt

■ Mr. Akhilesh Yadav  
Chief Minister, Uttar Pradesh, India



[Speech]  
Energy Strategy in Uttar Pradesh

■ Dr. Haruyoshi Kumura  
Fellow, Nissan Motor Co., Ltd.



[Speech]  
Nissan EV Challenge

■ Mr. Rajinder Kumar Kaura  
Chairman and Managing Director, Bergen Group  
Director General, Solar Energy Society of India



[Speech]  
Prospect of Collaboration between India and Japan  
in the Field of Renewable Energy

■ Professor Ryuichi Shimada  
MERS Collaborative Research, Research Laboratory for Nuclear Reactors, Tokyo Institute of Technology



[Speech]  
Advanced Electric Power Technology toward Asia --MERS technology  
applied for Electric Power