

## ITSF SEMINAR ON SCIENCE AND TECHNOLOGY

### ITSF ESTABLISHMENT

The Indonesia Toray Science Foundation was established in 1993 through a 3 billion rupiahs endowment by Toray Industries, Inc. The foundation is registered with and recognized by the Indonesian authorities as an organization with the objective of promoting the advancement of science technology in Indonesia.

### FOUNDATION OBJECTIVE

The objective of the Foundation is to contribute to the progress of "Science and Technology" in Indonesia. "Science and Technology" will be limited to the fields of natural sciences and engineering including the environment, but not including clinical medicine and mathematics

### FOUNDATION ACTIVITIES

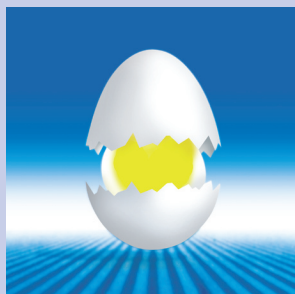
In order to achieve the objective, the Foundation will endeavour to undertake the following activities:

1. The awarding of The **ITSF** Science and Technology Award, to recognize outstanding achievements in Science and Technology.
2. The awarding of The **ITSF** Science and Technology Research Grant to provide to young scientist financial assistance for research in science and technology
3. The awarding of The **ITSF** Science Education Award to recognize creative and innovative contributions to effective science teaching in senior high schools.

### ITSF SEMINAR

Scientists and Technologists are invited to attend this "ITSF Seminar on Science and Technology" where research results of the **ITSF** Science and Technology Research Grants will be presented.

## ITSF SEMINAR ON SCIENCE AND TECHNOLOGY SCHEDULE

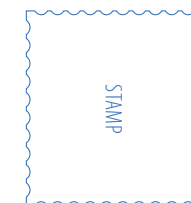


**ITSF**  
Indonesia Toray Science Foundation

**Jakarta**  
**Wednesday, 9 February 2011**

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Jl. Jendral Sudirman Kav. 61-62  
Jakarta 12190, Indonesia  
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Homepage: <http://www.itsf.or.id>  
E-mail: [itsf@ina.toray.co.id](mailto:itsf@ina.toray.co.id)

To:  
**ITSF Seminar On Science And Technology Committee**  
INDONESIA TORAY SCIENCE FOUNDATION  
Summitmas II, Lantai 3  
Jl. Jendral Sudirman Kav. 61-62  
Jakarta 12190, Indonesia



# ITSF SEMINAR ON SCIENCE AND TECHNOLOGY REGISTRATION FORM

The Seminar is free of charge. Lunch, snacks, as well as a certificate of attendance will be provided.

To register, please complete the following form:

1. Use ITSF Registration Form
2. Type in block letters & write your FAX number
3. Send to ITSF by FAX, as soon as possible but not later than January 31<sup>st</sup>, 2011.
4. Only fully completed form will be processed
5. On a first come first served basis officially acceptance reply from ITSF, ONLY by FAX, should be brought to the seminar.

Name : .....

Institution's Name : .....

Institutions's Address : .....

Tel: ..... Fax: .....

Mobile phone number : .....

E-mail Address : .....

Please circle ONE SESSION ONLY: **A - B - C**

## ITSF CEREMONY INVITATION

We also invite you to attend to ITSF Ceremony which will be held on **Thursday, 10 February 2011 at Shangri-La Hotel Jakarta, 9.30 AM.**  
Please tick, if you wish to attend or otherwise:

Yes  No

Signed,

(.....)  
Full Name

This ITSF Seminar will be held in three concurrent sessions.

**SESSION A** : Life Sciences and Agricultural Sciences  
**SESSION B** : Physical and Engineering Sciences  
**SESSION C** : Chemistry and Chemical Engineering & Biotechnology

### SPEAKERS OF SESSION A:

1. **Dr. Mohammad Affan Fajar Falah (UGM)**  
Title : Quality Development of Fresh Agricultural Product through Hydroponics
2. **Ika Roostika Tambunan, SP, M. Si (ICABIOGRAD Bogor)**  
Title : Establishment of Medium-term and Long-term Storage of Banana Embryogenic Cell Suspension for Supporting Breeding Program
3. **Fitri Damayanti, S. Si., M. Si (Indraprasta PGRI Univ)**  
Title : Plant Genetic Improvement of Eroded Indigenous Spesies of Indonesian *Nepenthes* spp. through *in Vitro* Culture Technique
4. **Ardiansyah, ST., M. Eng (UI)**  
Title : Design and Development of Absorption Refrigeration System for Refrigerated Food Road Transport Vehicle
5. **Mahmud, S.T., MT (Lambung Mangkurat Univ)**  
Title : Application Two-stage Coagulation for Improving Performance Hybrid Process of Coagulation-Ultrafiltration for Removal Natural Organic Matter (NOM) in Peat Water
6. **Ratna D Kusumaningtyas, S.T., MT (Semarang State Univ)**  
Title : Innovative Process of Biodiesel Production using a Hybrid Configuration of Continuous-Flow Reactive Distillation: a Pilot Plant Scale Application

### SPEAKERS OF SESSION B:

1. **Dr. Diah Susanti, ST, MT (ITS)**  
Title : The Effect of Different Metal Organic Precursors on the Electrochemical Capacitive Properties of the Grown RuO<sub>2</sub> Nanorods Applied as a Promising Energy Storage Device in the Future
2. **Dr. Suryajaya, S. Si., M. Sc. Tec (Lambung Mangkurat Univ)**  
Title : Size determination of Mercaptoethanol modifying CdS and ZnS nanoparticles semiconductor using Small Angle Neutron Scattering (SANS)
3. **Dr. Eng. Yessi Permana (ITB)**  
Title : Polymerization of Naturally-Occuring Renewable Resource using Metal Complexes
4. **Dr. Agus S Wismogroho, M. Eng (LIPI)**  
Title : Development of Iron Aluminide (Fe-Al) coating on Al – Al alloy surface by Mechanical Alloying

5. **Dr. Lusi Safriani, M. Si (UNPAD)**  
Title : Fabrication of Photonic Crystal Based on Monodisperse Polystyrene Particles for Tunable Laser Application
6. **Dr. Abdul Muis, ST. M. Eng (UI)**  
Title : Utilizing Haptics Tele-operation to Enhance Mobility of Search and Rescue Robot (S&R Robot) for Collapsed Building Following an Earthquake
7. **Agus S Pamitran, ST., M. Eng., Ph. D (UI)**  
Title : Boiling Pressure Drop and Heat Transfer of Natural Refrigerants for Design Parameters of Small-Tube Evaporator

### SPEAKERS OF SESSION C:

1. **I Nengah Wirajana, S.Si., M.Si (UDAYANA)**  
Title : Secretion of *Geobacillus thermoleovorans* IT-08  $\alpha$ -L-Arabinofuranosidase in *Saccharomyces cerevisiae* Using A Signal Peptide of *Hansenula mrakii* IFO 0895 Killer Toxin (HM1)
2. **Dr. Sal Prima Yudha S (Bengkulu Univ)**  
Title : Synthetic Application of ZnAl<sub>2</sub>O<sub>4</sub>-Supported Iron Catalysts to Transesterification of Triacetin and Conversion of Glicerol
3. **Yanti, Ph. D (Atma Jaya Catholic Univ)**  
Title : Effects of Several Zingiberaceae-grouped Indonesian Perennial Tropical Plant Extracts on Inhibition of Matrix Metalloproteinase-9 Expression in Periodontopathogen Products-treated Vascular Smooth Muscle Cells In Vitro: Potential Therapeutics in Vascular Disease
4. **Evi Umayah Ulfa, S. Si., Apt (Jember Univ)**  
Title : The Role of Serine 40 and Aspartat 387 on the Activity of Recombinant Streptokinase
5. **A. Zaenal Mustopa (LIPI)**  
Title : Isolation and identification of RNA helicase inhibitor from Indonesia Microalgae
6. **Fatimah, M. Si (ICABIOGRAD Bogor)**  
Title : Development of anchored primers and SCAR markers linked to resistance to bacterial leaf blight in Indonesian Rice

### Time and venue of the ITSF Seminar

Day/Date : Wednesday, 9 February 2011  
Time : 08.00 - 17.00  
Venue : **Gedung Balai Kartini**  
Jl. Jend. Gatot Subroto Kav. 37 Jakarta 12950  
Tel : (021) 521-3653