

RadTech Asia 2022

The 16th International
Conference & Expo on
UV/EB Curing in Asia

Changing the world with
Radiation Technologies

Date: August 23_[Tue] - 26_[Fri], 2022

Venue: Tsukuba International Congress Center

Organized by RadTech Asia Organization



Early Registration :
until June 30, 2022

JAPAN

TSUKUBA

<http://web.apollon.nta.co.jp/radtechasia2022/>



Invited speakers

Overview

- Overview for N. America : **North American Market Outlook for Ultraviolet and Electron Beam Technologies**
Dr. Gary Cohen (RadTech—UV+EB Technology Nonprofit Association)
- Overview for Europe : **European Market Overview**
Mr. David Engberg (Perstorp AB)
- Overview for China : **Markets Overview and Progress of UV/EB Curing Technology in China 2022**
Prof. Jun Nie (Beijing University of Chemical Technology)
- Overview for Malaysia : **An Overview of Radiation Curing in Malaysia**
Dr. Mohad Hamzah Harun
- Overview for Japan : **Japanese Market Overview2022**
Mr. Ichiro Igarashi (TOAGOSEI Co.,Ltd.)

Keynote Lecture

Some modern aspects of photopolymerization reactions in 3D printing

Prof. Xavier Allonas (University of Haute Alsace)

Prof. Shigenori Fujikawa (Kyushu University)

Preparation, Properties and Additive Manufacturing of Semicrystalline Polymers Produced from Thiol-Ene Photopolymerizations

Prof. Christopher N. Bowman (University of Colorado)

Special Sessions

S-1. Materials for mobile network technology

Surface modification of carbon materials by polybenzimidazole and their applications.

Prof. Tsuyohiko Fujigaya (Kyushu University)

Breaking the scaling barrier of semiconductor with 3D approach

Dr. Fumihiro Inoue (Yokohama National University)

Molecular design of Low Dielectric Loss Photosensitive Polyimide for 5G mm wave application

Dr. Masao Tomikawa (TORAY Industries, INC.)

Low Dielectric Material and Bonding between Organic and Inorganic for Post 5G/6G

Dr. Akihiko Happoya (Daicel Corporation)

S-2. Biomedical applications

Multi-layer 3D integrated microfluidic chips for diagnostics and pharmaceuticals.

Dr. Mitsumasa Taguchi (National Institutes for Quantum Science and Technology)

Functional cell culture substrates to regulate cellular processes

Dr. Tomoko G. Oyama (National Institutes for Quantum Science and Technology)

Development of Smart Polymeric Materials for Biomedical Applications

Dr. Koichiro Uto (Research Center for Functional Materials (RCFM) National Institute for Materials Science (NIMS))

Application of cell based analysis with nano and microfabricated

Prof. Hiromi Miyoshi (Tokyo Metropolitan University)

S-3. Contribution to SDGs

Prof. Tatsuo Kaneko (Japan Advanced Institute of Science and Technology)

Photo-reworkable adhesives

Dr. Haruhisa Akiyama (National Institute of Advanced Industrial Science and Technology)

Markets Overview and Progress of UV/EB Curing Technology in China 2022

Prof. Jun Nie (Beijing University of Chemical Technology)

Plastics to fertilizers: chemical recycling of a bio-based polycarbonate

Prof. Daisuke Aoki (Chiba University)

S-4. 2D and 3D nano/micro fabrication

Prof. Hiroki Yamamoto (National Institutes for Quantum Science and Technology)

Preparation of photosensitive engineering plastics utilizing reaction development patterning

Prof. Toshiyuki Oyama (Yokohama National University)

Autonomous micro laser processing

Prof. Yohei Kobayashi (THE UNIVERSITY OF TOKYO)

Micro 3D printing using photocurable materials

Prof. Shoji Maruo (Yokohama National University)

Organized Microfibrillation - a novel technology platform for microfluidic and printing applications.

Prof. Easan Sivaniah (Kyoto University)

Current Status and Prospect for EUV Lithography

Prof. Takeo Watanabe (University of Hyogo)

S-5. Antibacterial and antiviral functional materials

Recent progress and future prospects of AlGaN Deep-UV LED

Dr. Hideki Hirayama (Institute of Physical and Chemical Research)

Inactivation of SARS-CoV-2 by deep ultraviolet light

Dr. Takeo Minamikawa (Tokushima University)

Inactivation of microorganisms by ultraviolet (UV) light

Mr. Tarou Takei (Iwasaki Electric Co., Ltd.)

Inactivation of pathogens using 222-nm UV-C with an optical filter

Dr. Hiroyuki Ohashi (Ushio Inc.)

General Session

G-1. Radiation and photochemistry

Dr. Stefan van den Branden (IGM COOP B.V.)

Photo-active Polymeric Dormant: Design and Application to Precise UV-Curing

Dr. Takeo Suga (Waseda University)

G-2. Advanced materials and application

Tough soft materials with sacrificial structure

Prof. Jian Ping Gong (Hokkaido University)

Development of temperature-responsive cell culture membranes by electron beam induced graft polymerization

Prof. Masakazu Washio (Waseda University)

Light-driven Photoalignment and Surface Morphing in Polymer Films from the Top Surface

Prof. Takahiro Seki (Nagoya University)

Strongly-segregating Chemically Tailored Block Copolymers For sub-10 nm Patterning

Prof. Teruaki Hayakawa (Tokyo Institute of Technology)

Advanced materials for next-generation Micro LED Displays

Dr. Kazuki Goto (TORAY Industries, INC.)

G-3. Radcure equipment, testing, and measurement

Prof. Kentaro Taki (Kanazawa University)

History and evolution of UV measurement and the latest trends in the industry

Dr. Pradyumna Kumar Swain (Electronic Instrumentation and Technology)

G-4. Functional coatings

Control of diffraction beam and polarized fluorescence based on photoalignment and polarization gratings in liquid crystalline polymeric films

Prof. Nobuhiro Kawatsuki (University of Hyogo)

Multifunctional Coating Using Fluorinated Polyhedral Oligomeric Silsesquioxane-Based Hybrid Polymers

Dr. Mikio Yamahiro (JNC CORPORATION)

G-5. Others (Formulations, etc)

(Please check the website for the latest speakers)

See the website for details and submitting. ► <http://web.apollon.nta.co.jp/radtechasia2022/>

Event information

Conference name: RadTech Asia 2022
 (The 16th International Conference & Expo on UV/EB Curing in Asia)
 Date: From Tuesday, August 23 to Friday, August 26, 2022
 Venue: Tsukuba International Congress Center
 Organizer: RadTech Asia 2022 Organizing Committee
 Co-organizer: RadTech Asia Organization
 Assistance: RadTech Japan

Registering

Early Registration is Now Open! *until June 30
 (Payment Registration fee Early:until June 30th/Standard:from July 1st,2022 to July 28th,2022)

Type (Affiliation)	Early (until June 30, 2022)	Standard
Government/Academia	40,000JPY	50,000JPY
Industry	80,000JPY	90,000JPY
Speaker (Government/Academia)	20,000JPY	20,000JPY
Speaker (Industry)	40,000JPY	40,000JPY
Student	10,000JPY	10,000JPY
Group (5 people) ※	300,000JPY	No setting

*The Group registration fee is the overall registration fee for a five-member group belonging to one single company. Group registration is not available for groups that are not five-member groups. Additionally, Speakers do not register in Group registration, but instead must register in the Speaker category.

Venue • Access

Venue: Tsukuba International Congress Center
 2-20-3 Takezono, Tsukuba City, Ibaraki Prefecture 305-0032
 Japan
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Accommodation:Check the website

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Access:

