

# Online Spring School 2025

March 3-7, 2025, Tokushima University, Japan

|                        |                                                                                   |                                                                              |                                                                                                                                                                                    |                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| March 3<br>(Monday)    | 10:30<br>10:45                                                                    | Opening Ceremony                                                             | Opening Speech<br>Prof. Yasunori Muto<br>(Dean of Science and Technology, Tokushima University Japan)<br>Prof. Kazuhiko Kinoshita<br>(Director, CIREC, Tokushima University Japan) |                                                                                                         |
|                        | 10:45<br>12:00                                                                    | Introduction & Campus tour                                                   | Dr. Pankaj Koinkar<br>(Tokushima University, Japan)                                                                                                                                | Introduction of Spring School Program                                                                   |
|                        | 13:00<br>14:30                                                                    | Lecture 1                                                                    | Dr. Tetsuro Katayama<br>(Tokushima University, Japan)                                                                                                                              | Introduction of ultrafast photochemistry                                                                |
|                        | 14:45<br>16:15                                                                    | Lecture 2                                                                    | Dr. Venkatesh Gudipadu<br>(NIT, Warangal, India)                                                                                                                                   | Abrasive Flow Machining: Precision Finishing with semi solid media and Particle                         |
| March 4<br>(Tuesday)   | 10:30<br>12:00                                                                    | Lecture 3                                                                    | Dr. Chaoming Chen<br>(CMC Intellectual Property Firm, Taiwan)                                                                                                                      | Why Patent is Essential for Promoting Innovation?                                                       |
|                        | 13:00<br>14:30                                                                    | Group Discussion                                                             | - Future of Artificial Intelligence<br>- Global Climate Change<br>- Environmental Problems<br>- Renewable Energy<br>- Global Food Crises                                           |                                                                                                         |
|                        | 14:45<br>16:15                                                                    | Lecture 4                                                                    | Dr. Anas Abdul Latiff<br>(UTeM, Malaysia)                                                                                                                                          | Fiber Optic as a Sensor for Agriculture Application                                                     |
| March 5<br>(Wednesday) | 10:30<br>12:00                                                                    | Lecture 5                                                                    | Prof. Sanjay S. Ghosh<br>(KBCNM University, India)                                                                                                                                 | Organic Solar Cell and OLED: Fabrication, working and principle                                         |
|                        | 13:00<br>14:30                                                                    | Lecture 6                                                                    | Dr. Meng Lin Tsai<br>( NTUST, Taiwan)                                                                                                                                              | Nanotechnology for the Next Generation Display and Semiconductor Applications                           |
|                        | 14:45<br>16:15                                                                    | Online Laboratory Visits                                                     |                                                                                                                                                                                    |                                                                                                         |
| March 6<br>(Thursday)  | 10:30<br>12:00                                                                    | Lecture 7                                                                    | Dr. Hiroshi Sakata<br>(Tokushima University,Japan)                                                                                                                                 | Introduction of the Japanese Language and Culture                                                       |
|                        | 13:00<br>14:30                                                                    | Online Field trip                                                            | Sightseeing around Tokushima                                                                                                                                                       |                                                                                                         |
|                        | 14:45<br>16:15                                                                    | Lecture 8                                                                    | Prof. Suherman<br>(Universitas Gadjah Mada, Indonesia)                                                                                                                             | Carbon dots-based sensor for environmental monitoring                                                   |
|                        | 16:30<br>18:00                                                                    | Student Presentations I                                                      |                                                                                                                                                                                    |                                                                                                         |
| March 7<br>(Friday)    | 10:30<br>12:00                                                                    | Student Presentations II                                                     |                                                                                                                                                                                    |                                                                                                         |
|                        | Participation in the International Symposium on Science and Engineering Education |                                                                              |                                                                                                                                                                                    |                                                                                                         |
|                        | 13:00<br>14:00                                                                    | Poster Presentation by Double Degree students                                |                                                                                                                                                                                    |                                                                                                         |
|                        | 14:00<br>14:20                                                                    | Lecture 9                                                                    | Prof. Tamotsu Tanaka<br>(Tokushima University, Japan)                                                                                                                              | Experience on the Inclusion of overseas students in Tanaka's lab                                        |
|                        | 14:20<br>14:40                                                                    | Lecture 10                                                                   | Prof. Meng-Yi Bai<br>( NTUST, Taiwan)                                                                                                                                              | Introduction of the innovative Graduate Program at the College of Applied Science and Technology, NTUST |
|                        | 14:40<br>15:00                                                                    | Lecture 11                                                                   | Dr. Pankaj Koinkar<br>(Tokushima University, Japan)                                                                                                                                | Transformative Learning through study abroad program                                                    |
|                        | 15:00<br>15:30                                                                    | Closing Ceremony<br>Prof. Toshihiro Moriga<br>( Tokushima University, Japan) |                                                                                                                                                                                    |                                                                                                         |