

## Schedule of ISMOA 2021

### Day 1, Monday, 2 August 2021 : Tutorial and Poster Preview

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
08:00	08:30	08:00	08:30	Entering the zoom meeting room
08:30	08:40	08:30	08:40	Opening speech <b>Rahmat Hidayat</b> (President of InOS)
08:40	09:30	10:40	11:30	Tutorial Lecture 1 <i>Introduction to Metamaterials and Metasurfaces</i> <b>Jonghwa Shin</b> (Korea Advanced Institute of Science and Technology, South Korea) Moderator : Indra Karnadi (Universitas Krida Wacana, Indonesia)
09:30	09:50	11:30	11:50	Q & A

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

**#TrustScience**

## Schedule of ISMOA 2021

### Day 1, Monday, 2 August 2021 : Tutorial and Poster Preview

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
09:55	10:45	09:55	10:45	Tutorial Lecture 2 <i>Basic Laser Spectroscopy and Its Applications in Laser Induced Breakdown Spectroscopy, and Recent Developments in Laser Induced Breakdown Spectroscopy in Indonesia</i> <b>Wahyu Setiabudi</b> (MMM Research Center and Diponegoro University, Indonesia), and <b>Indra Karnadi</b> (MMM Research Center and Krida Wacana Christian University, Indonesia) Moderator : Muhandis Shiddiq (Indonesian Institute of Sciences, Indonesia)
10:45	11:05	10:45	11:05	Q & A

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

### Day 1, Monday, 2 August 2021 : Tutorial and Poster Preview

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
11:10	12:00	13:10	14:00	Tutorial Lecture 3 <i>Solid-State Quantum Light Source: Generation and Applications</i> <b>Takashi Kuroda</b> (National Institute for Material Science, Japan) Moderator : Rahmat Hidayat (Institut Teknologi Bandung, Indonesia)
12:00	12:20	14:00	14:20	Q & A
12:20	12:25	12:20	12:25	Photo Session, announcement

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



PT. SERVIAM ABADIMURNI  
Equipment & Tools for Industry, Laboratories, Research Institutes  
[www.sa-photonics.com](http://www.sa-photonics.com)



Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

#TrustScience

## Schedule of ISMOA 2021

### Day 1, Monday, 2 August 2021 : Tutorial and Poster Preview

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
12:25	13:25	12:25	13:25	Lunch break
13:30	14:30	13:30	14:30	Poster Preview (3 minute for each poster) Moderator : Priastuti Wulandari (Institut Teknologi Bandung)
14:30	15:25	14:30	15:25	Photo Session, announcement
15:25	15:30	15:25	15:30	Poster viewing

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



**#TrustScience**

## Schedule of ISMOA 2021

### Day 2, Tuesday, 3 August 2021 : Opening Ceremony

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
08:00	08:30	08:00	08:30	Entering the zoom meeting room
08:30	08:35	08:30	08:35	Welcome by MC
08:35	08:45	08:35	08:45	Report by the Conference Chair <b>Henri P Uranus</b>
08:45	08:55	08:45	08:55	Message by InOS President <b>Rahmat Hidayat</b>
08:55	09:05	08:55	09:05	Welcome Message and Opening by Rector of UPH <b>Jonathan L. Parapak</b>
09:05	09:10	09:05	09:10	Photo Session

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light

16 May

**#TrustScience**

## Schedule of ISMOA 2021

Day 2, Tuesday, 3 August 2021 : Session 1

Chair : Martijn de Sterke (University of Sydney, Australia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
09:15	09:45	19:15 (Mon. 2 Aug)	19:45 (Mon. 2 Aug)	Invited Paper 1 <i>Phase Detection Autofocus (PDAF) Image Sensor as Applied to 3-D Imaging</i> <b>Suganda Jutamulia</b> (Omnivision Technologies, Inc., USA)
09:45	10:15	11:45	12:15	Invited Paper 2 <i>Quantum Entangled Photon-Pair Emission from Semiconductor Quantum Dots</i> <b>Takashi Kuroda</b> (National Institute for Material Science, Japan)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

Day 2, Tuesday, 3 August 2021 : Session 2

Chair : Takashi Kuroda (National Institute for Material Science, Japan)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
10:20	10:50	12:50	13:20	Invited Paper 3 <i>Ultrawide Bandgap Semiconductors: Materials and Devices</i> <b>Nelson Tansu</b> (University of Adelaide, Australia)
10:50	11:20	13:50	14:20	Invited Paper 4 <i>High Efficiency Perovskite-Silicon Tandem Solar Cells</i> <b>Thomas White</b> (Australian National University, Australia)

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

#TrustScience

## Schedule of ISMOA 2021

### Day 2, Tuesday, 3 August 2021 : Poster Viewing and Lunch

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
11.20	11:50	11.20	11:50	Presentation from PT Serviam Abadimurni
12:00	13:00	12:00	13:00	Lunch Break and Poster Viewing

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience



## Schedule of ISMOA 2021

Day 2, Tuesday, 3 August 2021 : Session 3

Chair : Thomas Pertsch (Friedrich-Schiller University Jena, Germany)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
13:05	13:35	08:05	08:35	Invited Paper 5 <i>Nanophotonic Biosensors for COVID-19 Detection</i> <b>Laura M. Lechuga</b> (Catalan Institute of Nanoscience and Nanotechnology, Spain)
13:35	13:50	13:35	13:50	Contributed Paper 1 <i>Midinfrared angle-resolved reflection measurement of two-dimensional photonic crystal slabs for their application to surface emitting quantum cascade lasers</i> <b>Siti Chalimah</b> (National Institute for Materials Science, Japan)
13:50	14:05	13:50	14:05	Contributed Paper 2 <i>Identifying Ion Migration at the Perovskite/Transport Layer Interface by IMVS Measurements</i> <b>Adhita Asma Nurunnizar</b> (Institut Teknologi Bandung, Indonesia)

## Schedule of ISMOA 2021

Day 2, Tuesday, 3 August 2021 : Session 3

Chair : Thomas Pertsch (Friedrich-Schiller University Jena, Germany)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
14:05	14:20	14:05	14:20	Contributed Paper 3 <i>Synthesis Study of 3-Mercaptopropionic Acid Stabilized Gold Nanoparticles for Colorimetric Sensor Application</i> <b>Muhammad Tegar Pambudi</b> (Institut Teknologi Bandung, Indonesia)
14:20	14:35	14:20	14:35	Contributed Paper 4 <i>Green Synthesis of Silver Nanoparticles from Anthocyanin Extracts of Purple Cabbage (Brassica Oleracea Var) and It's Characteristics for Dye-Sensitized Solar Cells (DSSC) Application</i> <b>Waode Sukmawati Arsyad</b> (Halu Oleo University, Indonesia)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

Day 2, Tuesday, 3 August 2021 : Session 3

Chair : Thomas Pertsch (Friedrich-Schiller University Jena, Germany)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
14:35	14:50	14:35	14:50	Contributed Paper 5 <i>The Effect of WS<sub>2</sub> Nanosheets Addition to the Performance of Photodetector Based on ZnO Nanorods</i> <b>Aufa Salsabilla</b> (University of Indonesia, Indonesia)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

Day 2, Tuesday, 3 August 2021 : Session 4

Chair : Kaoru Tamada (Kyushu University, Japan)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
14:55	15:25	16:55	17:25	Invited Paper 6 <i>Spectral Manipulation with Metasurfaces for Color Filters, Absorbers, and Radiative Cooling</i> <b>Jonghwa Shin</b> (Korea Advanced Institute of Science and Technology, South Korea)
15:25	15:55	10:25	10:55	Invited Paper 7 <i>Nonlinear Dielectric Metasurfaces for Photonic Quantum State Generation</i> <b>Thomas Pertsch</b> (Friedrich-Schiller University Jena, Germany)
15:55	16:00	15:55	16:00	Announcement

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

#TrustScience

# ISM OA 2021

The 13th International Symposium on  
Modern Optics and Its Applications  
Tangerang, Indonesia, August 2-4, 2021

[ismoa.indonesianoptics.org](http://ismoa.indonesianoptics.org)  
[ismoa@indonesianoptics.org](mailto:ismoa@indonesianoptics.org)

## Schedule of ISMOA 2021

### Day 2, Tuesday, 3 August 2021 : Indonesian Optical Society Congress

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
16:00	17:00	16:00	17:00	Indonesian Optical Society Congress

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



**#TrustScience**

# ISM OA 2021

The 13th International Symposium on  
Modern Optics and Its Applications  
Tangerang, Indonesia, August 2-4, 2021

[ismoa.indonesianoptics.org](http://ismoa.indonesianoptics.org)  
[ismoa@indonesianoptics.org](mailto:ismoa@indonesianoptics.org)

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
08:00	08:30	08:00	08:30	Entering the zoom meeting room
08:30	08:35	08:30	08:35	Welcome by MC

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

**#TrustScience**

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 5

Chair : Thomas White (Australian National University, Australia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
08:40	09:10	11:40	12:10	Invited Paper 8 <i>A Menagerie of Solitons by Variation of the Dispersion</i> <b>Martijn de Sterke</b> (University of Sydney, Australia)
09:10	09:40	11:10	11:40	Invited Paper 9 <i>High Axial and Lateral Resolution on Self-Assembled Gold Nanoparticle Metasurfaces for Live-Cell Imaging</i> <b>Kaoru Tamada</b> (Kyushu University, Japan)
09:40	10:10	07:40	08:10	Invited Paper 10 <i>A Comparative Study of LIBS and Other Analytical Techniques</i> <b>Aslam Baig</b> (National Centre for Physics, Pakistan)

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 6

Chair : Wahyu Setiabudi (Diponegoro University, Indonesia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
10:15	10:30	10:15	10:30	Contributed Paper 6 <i>Cellulose Acetate-Polyurethane Film Adsorbent with Analyte Enrichment for In-Situ Detection and Analysis of Aqueous Pb using Laser-Induced Breakdown Spectroscopy (LIBS)</i> <b>Muhammad Iqhrammullah</b> (Universitas Syiah Kuala, Indonesia)
10:30	10:45	10:30	10:45	Contributed Paper 7 <i>Differences in excitation mechanism of resonance and non-resonance emission lines in plasma generated by high-power pulse laser irradiation</i> <b>Eric Jobiliong</b> (Universitas Pelita Harapan, Indonesia)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience



## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 6

Chair : Wahyu Setiabudi (Diponegoro University, Indonesia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
10:45	11:00	10:45	11:00	Contributed Paper 8 <i>The Improvement Design of Two-Colour Pyrometry for Pulsed Laser Deposition System</i> <b>Kristia Ningsih</b> (Airlangga University, Indonesia)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 7

Chair : Agus M. Hatta (Institut Teknologi Sepuluh Nopember, Indonesia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
11:05	11:20	11:05	11:20	Contributed Paper 9 <i>Q – Switched Pulse Generation with Copper Telluride as SA in L Band Erbium – doped Fiber (EDF) Laser Cavity</i> <b>Siti Aisyah Reduan</b> (Universiti Malaya, Malaysia)
11:20	11:35	11:20	11:35	Contributed Paper 10 <i>Spectral Characteristic of Symmetric Double Tapered Plastic Optical Fibers</i> <b>Murti Marinah</b> (Institut Teknologi Sepuluh Nopember, Indonesia)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 7

Chair : Agus M. Hatta (Institut Teknologi Sepuluh Nopember, Indonesia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
11:35	11:50	11:35	11:50	Contributed Paper 11 <i>Performance of Molybdenum ditelluride (MoTe<sub>2</sub>)-deposited side-polished fiber as a nonlinear device for the generation of four-wave mixing effect</i> <b>Muhammad Khairol Annuar Zaini</b> (Universiti Malaya, Malaysia)
11.50	11.55	11.50	11.55	Announcement

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

### Day 3, Wednesday, 4 August 2021 : Poster Viewing and Lunch

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
11.55	12.25	11.55	12.25	Presentation from Horiba Scientific
12:25	13:00	12:25	13:00	Lunch Break and Poster Viewing

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 8 – May-On Tjia Lecture

Chair : Alexander A. Iskandar (Institut Teknologi Bandung, Indonesia)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
13:05	13:55	08:05	08:55	May-On Tjia Lecture <i>Programmable Photonic Chips</i> <b>David Marpaung (University Twente, Netherlands)</b>

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

#TrustScience

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 9

Chair : Jonghwa Shin (Korea Advanced Institute of Science and Technology, South Korea)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
14:00	14:30	15:00	15:30	Invited Paper 11 <i>Integrated Nonlinear Photonics on the Lithium-Niobate-on-Insulator Platform</i> <b>Yuanlin Zheng</b> (Shanghai Jiao Tong University, P. R. China)
14:30	15:00	10:00	10:30	Invited Paper 12 <i>Light-matter interaction control with multilayer epsilon-near-zero metamaterials</i> <b>Humeyra Caglayan</b> (Tampere University, Finland)
15:00	15:15	15:00	15:15	Contributed Paper 12 <i>Programmable Integrated Microwave Photonic Filter using a Modulation Transformer and a Double-Injection Ring Resonator</i> <b>Okky F. P. G. Daulay</b> (University of Twente, Netherlands)

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 9

Chair : Jonghwa Shin (Korea Advanced Institute of Science and Technology, South Korea)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
15:15	15:30	15:15	15:30	Contributed Paper 13 <i>MOKE Enhancement on Oblate Spheroid Bi:YIG Nanoparticle</i> <b>Mohamad Reza Nurrahman</b> (Korea Advanced Institute of Science and Technology, Republic of Korea)
15:30	15:45	15:30	15:45	Contributed Paper 14 <i>Growing Silver Nanoparticles on Silicone Substrate using Microwave-assisted Technique for Enhancing Raman Spectrum of Glucose</i> <b>Isnaeni</b> (Indonesia Institute of Sciences, Indonesia)

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light  
16 May

#TrustScience

## Schedule of ISMOA 2021

Day 3, Wednesday, 4 August 2021 : Session 9

Chair : Jonghwa Shin (Korea Advanced Institute of Science and Technology, South Korea)

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
15:45	16:00	15:45	16:00	Contributed Paper 15 <i>Switching Between Transparent and Reflective States in Dielectric Cylindrical Meta-lattices</i> <b>Suhandoko Dwi Isro</b> (Institut Teknologi Bandung, Indonesia)

Organized by:



Sponsored by:



Endorsed by:



In Conjunction with:



#TrustScience



## Schedule of ISMOA 2021

### Day 3, Wednesday, 4 August 2021 : Closing Ceremony

Western Indonesia Time		Speaker's Local Time		Activity/Speaker
Start	End	Start	End	
16:00	16:20	16:00	16:20	Words from participants
16:20	16:30	16:20	16:30	Announcement of best paper and best poster
16:30	16:40	16:30	16:40	Closing words from New InOS President
16:40	16:50	16:40	16:50	Announcement on InOS Officers for 2021-2023
16:50	16:55	16:50	16:55	Announcement on ISMOA 2023
16:55	17:00	16:55	17:00	Farewell message and announcement

Organized by:



Himpunan Optika Indonesia (HOI)  
Indonesian Optical Society (InOS)



Sponsored by:



**HORIBA**  
Scientific

Endorsed by:



In Conjunction with:



International  
Day of Light

16 May

**#TrustScience**