

NIMS WEEK 2020 ONLINENovember 27th [Fri.] 10:00 - 17:00

NIMS Award Ceremony and Lectures 2020 [ENG]	
10:00 - 10:05	Opening Remarks
10:05 - 10:10	Greeting from MEXT
10:10 - 10:15	Opening Movie: NIMS Award 2020
10:15 - 10:45	NIMS Award 2020 Winning-lecture (1): Prof. Hiroshi Julian Goldsmid "Is There a Limit to the Performance of Thermoelectric Energy Convertors?"
10:45 - 11:15	NIMS Award 2020 Winning-lecture (2): Prof. Kunihito Koumoto "Thermoelectrics – A Dream Technology to Generate Electric Power Directly from Heat"
11:15 - 11:30	NIMS Award Ceremony 2020
11:30 - 12:10	Short Oral Session: "Latest Trends in Materials for Thermal Management"
12:10 - 12:40	Panel Discussion: "Materials Challenge for Thermal Management"

Latest Research Exhibition 2020 [JPN]	
(10:00 - 17:00)	Poster Session 80 [PDF format]
12:55 - 13:00	Introduction of NIMS Technology Transfer
13:00 - 13:15	Presentations from NIMS Top Researchers (1) <u>Development of a fatigue resistant steel for weld seismic damper</u> Takao MORI
13:15 - 13:30	Presentations from NIMS Top Researchers(2) <u>Flexible heat flux sensor using magnetic materials</u> Yuya SAKURABA
13:30 - 13:45	Presentations from NIMS Top Researchers(3) <u>Next-generation thermal insulation materials and innovative coating technologies</u> Rudder WU

13:45 - 14:00	Presentations from NIMS Top Researchers(4) <u>Liquid-repellent and heat-insulating flexible silicone composite porous monoliths</u> Gen HAYASE
14:00 - 14:15	Presentations from NIMS Top Researchers(5) <u>Catalytic Methane/Carbon-dioxide Reforming toward the Carbon-recycling Society</u> Hideki ABE
14:15 - 14:30	Presentations from NIMS Top Researchers(6) <u>Time resolved hydrogen visualization under environmental condition</u> Akiko ITAKURA
14:30 - 14:45	Presentations from NIMS Top Researchers(7) <u>Hybrid bonding in ambient air for lightweight and smart structural materials</u> Akitsu SHIGETOU
14:45 - 15:00	Presentations from NIMS Top Researchers(8) <u>Bio-base high-performance antibacterial materials</u> Masanobu NAITO
15:00 - 16:00	Poster Session Core Time @ Zoom
16:00 - 16:15	Presentations from NIMS Top Researchers(9) <u>High-Sensitive Metasurface Sensors for Biomolecules</u> Masanobu IWANAGA
16:15 - 16:30	Presentations from NIMS Top Researchers(10) <u>Fine-grained transparent ceramics and laser application</u> Byung-Nam KIM
16:30 - 16:45	Presentations from NIMS Top Researchers(11) <u>Work flow of automatic first principle calculation for materials informatics</u> Hiori KINO
16:45 - 17:00	Presentations from NIMS Top Researchers(12) <u>Active learning: A Booster for Discovering New Materials from Small Datasets</u> Guillaume LAMBARD

<p>November 25th [Wed.]</p> <p>10:00 -</p> <p>[JPN]</p>	<p>Open Lab. and Facility</p> <ul style="list-style-type: none">• NIMS Open Facility• CAMECA 3DAP Lab.• Materials Data Platform Center
<p>November 26th [Thu.]</p> <p>10:00 -</p> <p>[JPN]</p>	<p>NIMS Graduate Program</p>