

AC²MP2021



DCMP
Division of Condensed Matter Physics
Association of Asia Pacific Physical Societies

AC²MP2021

Dec.1-3, 2021 Online

Asia-Pacific Conference on Condensed Matter Physics 2021

Program Book

Asia-Pacific Conference on Condensed Matter Physics 2021

December 1-3, 2021

Organizing Committee

J.-G. Park (Seoul National Univ.)
H. Nojiri (Tohoku Univ.)
S. M. Yusuf (Bhabha Atomic Research Centre)
Y.-P. Chiu (National Taiwan Univ.)
K.-Y. Choi (Sungkyunkwan Univ.)
F.-C. Chuang (National Sun Yat-Sen Univ.)
L. Lu (The Institute of Physics, CAS)
V. Nanal (Tata Institute of Fundamental Research)
T. Sakai (Univ. of Hyogo)
H.-H. Wen (Nanjing Univ.)

Local Organizing Committee

K.-Y. Choi (Sungkyunkwan Univ.)
T.-H. Kim (POSTECH)
C.-H. Yang (KAIST)

Program Committee

H. Nojiri (Tohoku Univ.)
D. Feng (Univ. of Science and Technology of China)
V. G. Achanta (Tata Institute of Fundamental Research)
Y. J. Kao (National Taiwan Univ.)
T.-H. Kim (POSTECH)
C.-W. Luo (National Yang-Ming Chiao-Tung Univ.)
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Notice

0. ZOOM Access

Register in advance for this meeting:

https://zoom.us/meeting/register/tjEtdeCprTgrEtNhOggMbxTBmFtF_7izAKLw

After registering, you will receive a confirmation email containing information about joining the meeting.

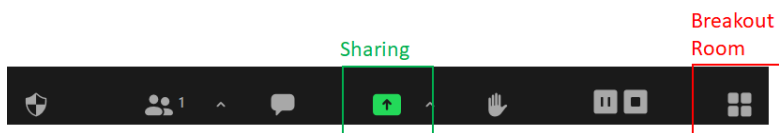


1. Oral Presentations

Presentation times (including Q&A*) : 35+5 minutes for keynote, 25+5 minutes for invited, 17+3 minutes for invited young researchers and contributed talks, and 50+7 minutes for tutorials.

*During a presentation (talk time as well as Q&A time), audiences can type their questions on the chat board. After finishing a presentation, the session chair picks up a few questions (usually in the order in which they were asked unless one person asked multiple questions). The session chair reads a question while mentioning the name who raised the question.

The parallel oral sessions (B, F, J) are prepared every morning in a separate Breakout Room.



Session chairs and speakers are asked to set the name as #(Session Code)_Name (Affiliation). (e.g., #A3_Albert Einstein (ETH), #B_chair_Isaac Newton (Cambridge))

2. Poster Presentations

A Breakout Room will be produced for each of the poster presentations in the Zoom meeting during the poster session. You are asked to stay in your room and present a poster and discuss the result with general audiences visiting your room in the core time.

The core time for odd-numbered posters is 19:00-19:40 (KST) and that for even posters is 19:50-20:30 (KST). Please prepare your ppt or PDF slides for the real-time live activity through ZOOM sharing.

Optional one-minute speeches are collected and screened during the break on the second day.

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3. Best Presentation Awards

- The Best Oral and Poster Awardee will be selected based on scientific significance and excellence of presentation and online discussion.
- Presentation Awards are awarded by the DCMP in order to encourage young researchers to participate in the Conference actively.
- A certificate will be emailed to the presenter right after the Conference.

4. Publication of invited contributions in a special issue of JPCM

The organizer is planning to publish a special issue of Journal of Physics: Condensed Matter (IOP publisher) by collecting papers from the invited speakers of the conference. If you are interested in submitting your article, please refer to the attached letter and notes, where you can find the weblink for the submission, and about the format and length of the manuscript.

The guest editors are

Hai-Hu Wen, Nanjing University, China

Hiroyuki Nojiri, Tohoku University, Japan

Kwang Yong Choi, Sungkyunkwan University, South Korea

Ya-Ping Chiu, National Taiwan University, Taiwan

Program Schedule

Date	Time		Program
	Seoul (KST)	New Delhi (IST)	
Dec 1 (Wed)	11:00-11:20	7:30-7:50	Opening of Conference
	11:20-12:00	7:50-8:30	[Session A] 2D Material and Spintronics [Session B] Skyrmion and Magnetism of Molecules
	12:00-13:00	8:30-9:30	[Tutorial] Dirac electrons in solids
	13:00-16:10	9:30-12:40	[Session C] Topological Physics in Solids and 2D Materials
	16:10-17:00	12:40-13:30	Break and Mixing
	17:00-20:00	13:30-16:30	[Session D] Strongly Correlated Electron System and Novel Magnetism
Dec 2 (Thu)	11:00-12:00	7:30-8:30	[Session E] Graphene and Dirac Systems [Session F] Superconductivity
	12:00-13:00	8:30-9:30	[Tutorial] Recent Progress in Kitaev Quantum Spin Liquids
	13:00-16:30	9:30-13:00	[Session G] Physics of Functional Materials and Novel Devices
	16:30-16:50	13:00-13:20	Break
	16:50-19:00	13:20-15:30	[Session H] Control of Matters with Symmetry Change and Disorder
	19:00-20:30	15:30-17:00	Poster session and Mixing
Dec 3 (Fri)	11:00-12:00	7:30-8:30	[Session I] Extreme Conditions and Novel Tools [Session J] Complex Matters and Nano Materials
	12:00-13:00	8:30-9:30	[Tutorial] The GW Approximation
	13:00-16:10	9:30-12:20	[Session K] Spectroscopies on Superconductivity and Quantum Matters
	16:10-16:30	12:20-12:40	Break
	16:30-19:10	12:40-15:40	[Session L] Nanoscience and Quantum Technology
	19:10-19:30	15:40-16:00	DCMP Meeting
	19:30-20:00	16:00-16:30	Closing

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Day 1: Asia-Pacific Conference on Condensed Matter Physics 2021

Opening of Conference		
11:00-11:20 (Seoul, Tokyo)/10:00-10:20 (Beijing, Taipei)/7:30-7:50 (New Delhi)		
Welcome Speeches	Je-Geun Park (DCMP Chair)	Junichi Yokoyama (AAPS President)
[Session A] 2D Material and Spintronics		
11:20-12:00		Chair: F.-C. Chuang
11:20-11:40 (KST) 7:50- 8:10 (IST)	Sudipta Dubey (IIT Kanupur)	<i>Quantum emitters in two-dimensional transition metal dichalcogenides</i>
11:40-12:00 (KST) 8:10- 8:30 (IST)	Ssu-Yen Huang (National Taiwan Univ.)	<i>Manipulation of Pure Spin Current in 3d Magnets</i>
[Session B] Skyrmion and Magnetism of Molecules		
11:20-12:00		Chair: R. Umetsu
11:20-11:40 (KST) 7:50- 8:10 (IST)	Toshihiro Nomura (ISSP, Univ. of Tokyo)	<i>Quest for a Magnetic-field-induced Liquid-liquid Transition of Oxygen by Ultrasound Measurements in Megagauss Region</i>
11:40-12:00 (KST) 8:10- 8:30 (IST)	Wanjun Jiang (Tsinghua Univ.)	<i>Thermodynamic phenomena of topological skyrmions</i>
Tutorial talk		
12:00-13:00 (Seoul, Tokyo) 11:00-12:00 (Beijing, Taipei) 8:30-9:30 (New Delhi)		Chair: Y. Matsuda Vice-Chair: H. Ishikawa
Masao Ogata (Univ. of Tokyo)	<i>Dirac electrons in solids</i>	
[Session C] Topological Physics in Solids and 2D Materials		
13:00-16:10		Chair: L. Lu Vice-Chair: S. Zhou
13:00-13:40 (KST) 9:30- 10:10 (IST)	Yuanbo Zhang (Fudan Univ.)	<i>Quantum Anomalous Hall Effect in an Intrinsic Topological Insulator</i>
13:40-14:20 (KST) 10:10-10:50 (IST)	Hyeonsik Cheong (Sogang Univ.)	<i>Optical Spectroscopy of Antiferromagnetic 2-Dimensional van der Waals Materials</i>
14:20-14:50 (KST) 10:50- 11:20 (IST)	Bohm Jung Yang (Seoul National Univ.)	<i>Topology of acoustic phonons and phonon angular momentum Hall effect</i>

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14:50-15:20 (KST) 11:20-11:50 (IST)	Tse-Ming Chen (National Cheng Kung Univ.)	<i>Strain Engineering of 2D Materials</i>
15:20-15:50 (KST) 11:50- 12:20 (IST)	Hideaki Sakai (Osaka Univ.)	<i>Spin/valley-polarized Quantum Transport in Magnetic and Polar Dirac Materials</i>
15:50-16:10 (KST) 12:20-12:40 (IST)	Pratap Chandra Adak (TIFR Mumbai)	<i>Electric field drives Chern Transition in Hofstadter Bands of Twisted Double Bilayer Graphene</i>

Break and Mixing	
16:10-17:00 (Seoul Tokyo)	Chair: J.-G. Park
15:10-16:00 (Beijing, Taipei)	
12:40-13:30 (New Delhi)	

“How to get published” Ania Wronski (Publisher, IOP Publishing)
A few discussion rooms are available for discussion and exchanges for all break time.

[Session D] Strongly Correlated Electron System and Novel Magnetism		Chair: A. Thamizhavel
17:00-20:00		
17:00-17:40 (KST) 13:30-14:10 (IST)	Hyunwoo Lee (POSTECH)	<i>Orbital Hall effect and its detection</i>
17:40-18:20 (KST) 14:10-14:50 (IST)	Hiroaki Kusunose (Meiji Univ.)	<i>Cross-correlated Phenomena Viewed from Electronic Multipoles</i>
18:20-18:50 (KST) 14:50-15:20 (IST)	Huiqian Luo (Institute of Physics, Chinese Academy of Sciences)	<i>Nature of neutron spin resonance in ironbased superconductors</i>
18:50-19:20 (KST) 15:20-15:50 (IST)	Takesho Kondo (ISSP, UTokyo)	<i>Fermi pockets emerging in clean CuO₂ planes of high-T_c cuprates</i>
19:20-19:40 (KST) 15:50-16:10 (IST)	Wei-Lin Tu (Korea Univ.)	<i>Field-induced Bose-Einstein condensation and supersolid in the Kondo necklace: relation to Kondo-sieve compound Ba₂NiO₂(AgSe)₂</i>
19:40-20:00 (KST) 16:10-16:30 (IST)	A. K. Bera (Bhabha Atomic Research Centre)	<i>Spin-spin Correlations in the Spin-1/2 Honeycomb Antiferromagnet Na₂Co₂TeO₆: A potential Kitaev System</i>
20:00- (KST) 16:30- (IST)	<i>End</i>	

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Day 2: Asia-Pacific Conference on Condensed Matter Physics 2021

[Session E] Graphene and Dirac Systems		
11:00-11:20 (Seoul, Tokyo) 10:00-10:20 (Beijing, Taipei) 7:30-7:50 (New Delhi)		Chair: H-H. Wen Vice-Chair: Y. Dai
11:00-11:20 (KST) 7:30- 7:50 (IST)	Minsoo Kim (Kyung Hee Univ.)	<i>Highly correlated states in twisted monolayer graphene</i>
11:20-11:40 (KST) 7:50- 8:10 (IST)	Ming-Hao Liu (National Cheng Kung Univ.)	<i>Quantum Electronic Transport in Graphene Superlattice Systems</i>
11:40-12:00 (KST) 8:10- 8:30 (IST)	Jong Mok Ok (Pusan National Univ.)	<i>Correlated Oxide Dirac Semimetal in the Extreme Quantum Limit</i>

[Session F] Superconductivity		
11:00-12:00		Chair: P. Raychaudhuri
11:00-11:20 (KST) 7:30- 7:50 (IST)	Nayuta Takemori (Osaka Univ.)	<i>Theoretical Study of Superconductivity in Quasicrystals</i>
11:20-11:40 (KST) 7:50- 8:10 (IST)	Tao Wu (Univ. of Science and Technology of China)	<i>Recent NMR Progress in FeSe-based Superconductors: Diverse Pseudogap Phenomena</i>
11:40-12:00 (KST) 8:10- 8:30 (IST)	Koichiro Ienaga (Tokyo Institute of Technology)	<i>Thermoelectric Study of the Quantum Vortex Liquid State in a Two-dimensional Amorphous Superconductor</i>

Tutorial talk		
12:00-13:00 (Seoul, Tokyo) 11:00-12:00 (Beijing, Taipei) 8:30-9:30 (New Delhi)		Chair B.-J. Yang

Eun-Gook Moon (KAIST)

Recent Progress in Kitaev Quantum Spin Liquids

[Session G] Physics of Functional Materials and Novel Devices		
13:00-16:30		Chair: A. Perumal
13:00-13:40 (KST) 9:30- 10:10 (IST)	Guang-Yu Guo (National Taiwan Univ.)	<i>Bulk Photovoltaic Effect in 2D Semiconductors and 3D Topological Semimetals</i>
13:40-14:20 (KST) 10:10-10:50 (IST)	Xiangang Wan (Nanjing Univ.)	<i>Determining the Range of Magnetic Interactions from the Relations between Magnon Eigenvalues at High-symmetry k Points</i>

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14:20-14:50 (KST) 10:50- 11:20 (IST)	Rie Umetsu (Tohoku Univ.)	<i>Half-metal-type Electronic Structures of Heusler Alloys detected by Resonant Inelastic Soft X-ray Scattering in Magnetic Fields</i>
14:50-15:20 (KST) 11:20-11:50 (IST)	Sungjae Cho (KAIST)	<i>Low-voltage Transistors and Diodes; Extending the Road beyond CMOS</i>
15:20-15:50 (KST) 11:50- 12:20 (IST)	Pabitra Nayak (TIFR Hyderabad)	<i>Adduct based doping of organic semiconductor</i>
15:50-16:10 (KST) 12:20-12:40 (IST)	Anshu Gupta (INST, Mohali)	<i>Signatures of Rashba Effect in Angle Resolved Magnetoresistance</i>
16:10-16:30 (KST) 12:40-13:00 (IST)	M.Yama (Univ. of Tokyo)	<i>Increase of Gilbert Damping in Spin Pumping into a Two-dimensional Electron System with Rashba- and Dresselhaus-type Spin-orbit Interactions</i>

Break

16:30-16:50 (Seoul Tokyo)
15:30-15:50 (Beijing, Taipei)
13:00-13:20 (New Delhi)

[Session H]	Control of Matters with Symmetry Change and Disorder	
	16:50-20:30	Chair: T. Sakai Vice-Chair: H. Nakano
16:50-17:30 (KST) 13:20-14:00 (IST)	Arindam Ghosh (IIS)	<i>Thermoelectricity of Correlation States in Twisted Bilayer Graphene</i>
17:30-18:00 (KST) 14:00-14:30 (IST)	Keun Su Kim (Yonsei Univ.)	<i>Pseudogap in a Crystalline Insulator Doped by Disordered Metals</i>
18:00-18:20 (KST) 14:30- 14:50 (IST)	Young Woo Choi (Yonsei Univ.)	<i>Electronic Structure and Electron-Phonon Coupling in Graphene Moiré Superlattice</i>
18:20-18:40 (KST) 14:50-15:10 (IST)	Shoji Yamamoto (Hokkaido Univ.)	<i>A Novel Photomagnet $\text{Cu}_2[\text{Mo}(\text{CN})_8] \cdot 8\text{H}_2\text{O}$: Bidirectional Magnetism against Monodirectional Electronics</i>
18:40-19:00 (KST) 15:10-15:30 (IST)	Gil-Ho Lee (POSTECH)	<i>Steady Floquet-Andreev States Probed by Tunnelling Spectroscopy</i>
19:00-20:30 (KST) 15:30-17:00 (IST)	Poster and Mixing	
20:30- (KST) 17:00- (IST)	End	

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Day 3: Asia-Pacific Conference on Condensed Matter Physics 2021

[Session I] Extreme Conditions and Novel Tools		
11:00-11:20 (Seoul, Tokyo) 10:00-10:20 (Beijing, Taipei) 7:30-7:50 (New Delhi)		Chair: M. Tokunaga Vice-Chair: A. Miyake
11:00-11:20 (KST) 7:30- 7:50 (IST)	Xi Lin (Peking Univ.)	<i>Cryogen-free one Hundred Microkelvin Refrigerator</i>
11:20-11:40 (KST) 7:50- 8:10 (IST)	Jieun Lee (Seoul National Univ.)	<i>Air-Stable and Layer-Dependent Ferromagnetism in Atomically Thin van der Waals CrPS4</i>
11:40-12:00 (KST) 8:10- 8:30 (IST)	Rina Takagi (Univ. of Tokyo)	<i>Square and Rhombic Lattice of Magnetic Skyrmions in a Centrosymmetric Itinerant Magnet</i>

[Session J] Complex Matters and Nano Materials		
11:00-12:00		Chair: H. Ohta
11:00-11:20 (KST) 7:30- 7:50 (IST)	Sutapa Roy (IIT Gandhinagar)	<i>Light-activated Janus Colloids Suspended in a Solvent</i>
11:20-11:40 (KST) 7:50- 8:10 (IST)	Chia-Lung Hsieh (Institute of Atomic and molecular Sciences)	<i>Nanoscale Organization and Dynamics of Biological Membranes Revealed by High Speed Interferometric Scattering Microscopy</i>
11:40-12:00 (KST) 8:10- 8:30 (IST)	Vidya Praveen Bhallamudi (IIT Madras)	<i>Quantum defects in diamond and their applications</i>

Tutorial talk		
12:00-13:00 (Seoul, Tokyo) 11:00-12:00 (Beijing, Taipei) 8:30-9:30 (New Delhi)		Chair: B. Singh Vice-Chair: S. Narasimhan

Manish Jain (IIS)

The GW Approximation

[Session K] Spectroscopies on Superconductivity and Quantum Matters		
13:00-16:30		Chair: D. -L. Feng
13:00-13:40 (KST) 9:30- 10:10 (IST)	Ryo Shimano (Univ. of Tokyo)	<i>Ultrafast Control of Symmetry Broken States in Solids by Terahertz Pulse</i>
13:40-14:20 (KST) 10:10-10:50 (IST)	Wentao Zhang (Shanghai Jiao Tong Univ.)	<i>Optical manipulation of electronic dimensionality in a quantum material</i>
14:20-14:50 (KST) 10:50- 11:20 (IST)	Ming-Wen Chu (National Taiwan Univ.)	<i>Seeing Charge Density Waves at the Atomic Scale by Cryogenic Scanning Transmission Electron Microscopy</i>

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14:50-15:20 (KST) 11:20-11:50 (IST)	Yanwu Xie (Zhejiang Univ.)	<i>Interface and Surface Superconductivity in KTaO₃</i>
15:20-15:50 (KST) 11:50- 12:20 (IST)	Suvankar Chakraverty (INST, Mohali)	<i>Unique Magnetotransport in KTaO₃ based conducting interfaces</i>
15:50-16:10 (KST) 12:20-12:40 (IST)	Anamika Kumari (INST, Mohali)	<i>Study of Electronic Property of LaVO₃/SrTiO₃ Interface using both Spectroscopy and Transport Measurements</i>

Break

16:10-16:30 (Seoul Tokyo)
15:10-15:30 (Beijing, Taipei)
12:40-13:00 (New Delhi)

[Session L]	Nanoscience and Quantum Technology		Chair: Y.-P. Chiu
	16:30-20:00		Vice-Chairs: Chih-Wei Chang Heng-Liang Wu
16:30-17:10 (KST) 13:00-13:40 (IST)	Li-Chyong Chen (National Taiwan Univ.)	<i>Atomic-design and Surface-probing of Selective Two-dimensional Nanomaterials as Photo-catalysts for CO₂ Reduction to Solar Fuels</i>	
17:10-17:50 (KST) 13:40-14:20 (IST)	Umesh Waghmare (JNCASR)	<i>Ferroelectricity at Ultimately Small Length Scales</i>	
17:50-18:20 (KST) 14:20- 14:50 (IST)	Aditi Sen De (Harish Chandra Research Inst.)	<i>Quantum Thermal Machines</i>	
18:20-18:50 (KST) 14:50-15:20 (IST)	Yueh-Nan Chen (National Cheng Kung Univ.)	<i>Benchmarking Quantum State Transfer in the Cloud</i>	
18:50-19:10 (KST) 15:20-15:40 (IST)	Debes Ray (Bhabha Atomic Research Centre)	<i>Multivalent Ion-induced Tuning of Interactions in Nanoparticle-Surfactant Systems</i>	
19:10-19:30 (KST) 15:40-16:00 (IST)	<i>DCMP meeting</i>		
19:30-20:00 (KST) 16:00-16:30 (IST)	<i>Closing</i>		
20:00- (KST) 16:30- (IST)	<i>End</i>		

[Poster Session] Poster Session		
Dec, 2 nd 19:00-20:30 (Seoul, Tokyo) 18:00:00-19:30(Beijing, Taipei) 15:30-17:00 (New Delhi)		
		Chair: C-H. Yang
P2	Manoj Baloni (Department of Physics, SGRR(PG) College)	<i>Study of Structural modification and magnetoelectric properties of Nd doped 0.7BiFeO₃-0.3PbTiO₃ solid solution</i>
P3	Joydipto Bhattacharya (Raja Ramanna Centre for Advanced Technology)	<i>First Principles Study on the Magnetic Coupling of Cr adlayer on Ni₂MnGa (001) Surface in a Non-collinear Framework</i>
P4	Iduru Shigeta (Kagoshima Univ)	<i>Transport properties of epitaxial layered films of superconducting NbN and Cobased Heusler alloys under high magnetic fields</i>
P5	K.B. Joshi (ML Sukhadia Univ.)	<i>Thermoelectric Characterization of Crystalline Materials using Density and Hybrid Functionals</i>
P7	Naoya Iwahara (Chiba Univ.)	<i>Ferromagnetic kinetic exchange interaction in magnetic insulators</i>
P8	Kazuki Yamamoto (Kyoto Univ.)	<i>Collective excitations and dynamical phase transition in dissipative fermionic superfluids</i>
P9	Tohru Mashiko (Kyushu Univ.)	<i>Phase transition of an SU(3) symmetric spin-1 chain</i>
P10	S. Santhos Raj (Vellore Institute of Technology Chennai)	<i>Evidence of Strong Correlation and Magnetotransport Scaling in YbFe₂As₂</i>
P11	Subrata Mandal (Simon Fraser Univ.)	<i>p-wave superconductivity and the axi-planar phase of triple-point fermions</i>
P12	Zhishuo Huang (National Univ. of Singapore)	<i>Jahn-Teller effect in the cubic fullerenes A₃C₆₀</i>
P13	Supriya Mandal (Tata institute of Fundamental Research)	<i>Magnon-photon coupling in a van der Waals antiferromagnet</i>
P14	T.J. Nkosi (Univ. of Johannesburg)	<i>Effect of Particle Size on Structural and Physical Properties of Zn_{0.6}Co_{0.4}Cr₂O₄</i>
P15	Mancheon Han (Yonsei Univ.)	<i>Causal optimization approach for imaginary time Green's functions in correlated electron systems</i>
P16	R. Athira (UGC-DAE Consortium for scientific Research, Mumbai Centre)	<i>Exploring Structural and physical property of Tb₂NiMnO₆ double perovskite</i>
P17	Rupam Mandal (SUNAG Laboratory, Institute of Physics)	<i>Nanoscale Synaptic Weight Modulation in Ion Implanted HfO_x Memristor: Role of Defects</i>
P18	Han-gyu Kim (Yonsei Univ.)	<i>First-principles study on stacking-dependent electronic properties of few-layer and bulk γ-GeSe</i>
P19	K. Nihongi (Osaka Univ.)	<i>High-field magnetism of the triangular lattice antiferromagnet CsCuCl₃ under high pressure</i>

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P20	Mayuri Bora (Tezpur Univ.)	<i>Magnetic Proximity effect in two-dimensional van der Waals crystals</i>
P21	Vijay Kumar Gudelli (Physics Division, National Center for Theoretical Sciences)	<i>Large bulk photovoltaic effect and second harmonic generation in few-layer pentagonal semiconductors PdS₂ and PdSe₂</i>
P22	Yutaka Yamamoto (Okayama Univ.)	<i>Numerical simulation of the antiferromagnetic spin Seebeck effect near the Neel point</i>
P23	Ganesh Patil (S.M.G.L. Comm. And S.P.H.J. Sci. College)	<i>Synthesis of ZnO nanorods by spray pyrolysis for gas sensing application</i>
P24	Haichour Amel (ENP Oran-Maurice AUDIN)	<i>Structural and Optical Study of Undoped Nickel Oxide Thin Films: Thermal Treatment</i>
P25	Hyoung Joon Choi (Yonsei Univ.)	<i>Anisotropic Pseudospin Tunneling in Two Dimensional Black Phosphorus Junctions</i>
P26	Kwanghee Cho (Chung-Ang Univ.)	<i>Weak trimer distortion and the absence of canted ferromagnetism in hexagonal (Lu,In)FeO₃</i>
P27	C. S. Unnikrishnan (Tata Institute of Fundamental Research)	<i>Spin-Selective Transport of Electrons and 'Bio-Spintronics' in Chiral Molecules</i>
P28	Bikash Saha (Bhabha Atomic Research Centre)	<i>Magnetic properties of the Two-dimensional Layered Battery Material: Na₂Mn₃O₇</i>
P29	Hiroki Kobayashi (Univ. of Hyogo)	<i>Theoretical calculation on x-ray magnetic circularly polarized emission for ferromagnetic 3d transition metals Fe, Co and Ni</i>
P30	Hitosho Ohta (Kobe Univ.)	<i>Development of Multi-Extreme THz ESR System and Its Applications in Kobe</i>
P31	M. Mulibana (Univ. of Johannesburg)	<i>Structural and Magnetic Properties of α-Co(V_{1-x}Cr_x)₂O₆ (x = 0, 0.03) Compounds</i>
P32	Rito Furuch (Univ. of Hyogo)	<i>A numerical study of the S=1/2 Heisenberg antiferromagnet on the Lieb lattice with frustrating interactions</i>
P33	Ryushi Shimazaki (Chiba Univ.)	<i>Effect of electron doping on Fermi surface and carrier density in bilayer In/Si(111)</i>