

IMFP2017 Programme Summary

3th December 2017	
14.30-17.30	IMFP2017 REGISTRATION @ Pullman Kuala Lumpur Bangsar (Level 3)

DAY 1	4 th December 2017		
PLENARY SESSION (Studio 1 & 2, Level 3)			
8.45-9.00	Welcoming Address By Kurunathan Ratnavelu (IMFP2017 Chairman)		
9.00-9.40	PLENARY 1: SeungwanKim		<i>Chair: Jun'ichi Yokoyama</i>
9.40-10.20	PLENARY 2: Takaya Ohashi		
10.20-10.40	PHOTO SESSION & TEA-BREAK		
10.40-11.20	PLENARY 3: Aimin Song		<i>Chair: Rui-Qin Zhang</i>
11.20-12.00	PLENARY 4: Kazuhiro Tanaka		
12.00-12.30	KEYNOTE: Woo-Sung Jung		<i>Chair: Kurunathan Ratnavelu</i>
12.30-14.00	LUNCH		
PARALLEL SPECIAL SESSIONS (Level 3)			
	Studio 1	Studio 8	Studio2
	SS1 Nuclear Physics & Radiation A (NR-A) <i>Chair: Susan Sipaun</i>	SS2 Plasma Physics A (PP-A) <i>Chair: Deepak Subedi (TBC)</i>	SS3 Condensed Matter & Material Physics A (CM-A) <i>Chair: Xing Zhu</i>
14.00-14.20	NR-A1: W. P. Liu	PP-A1: Rattachat Mongkolnavin	CM-A1: Masaaki Tanaka
14.20-14.40	NR-A2: Tohru Motobayashi	PP-A2: Mehdi Nasri Nasrabadi	CM-A2: Ahmad Nazrul Rosli
14.40-15.00	NR-A3: Leo Kwee Wah	PP-A3: Lim Mook Tzeng	CM-A3: Eduardo C. Cuansing
15.00-15.20	NR-A4: Nurhafiza Mohamad Nor	PP-A4: Mohd Faiz Bin Mohd Zin	CM-A4: Tarika K. Patel
15.20-15.40	NR-A5: Siti Aiasah Hashim	PP-A5: Lau Yen Theng	
15.40-16.00	TEA-BREAK		
PARALLEL SPECIAL SESSIONS (Level 3)			
	Studio 1	Studio 2	Studio 8
	SS4 Nuclear Physics & Radiation B (NR-B) <i>Chair: Weiping Liu</i>	SS5 Exotic AMO Physics A (EA-A) <i>Chair: Michael J Brunger</i>	SS6 Biological & Medical Physics A (BM-A) <i>Chair: Mohd Hafiz Mohd Zin</i>
16.00-16.20	NR-B1: Li Hau-Bin	EA-A1: Darryl B. Jones	BM-A1: Kwan Hoong Ng
16.20-16.40	NR-B2: Ong HooiJin	EA-A2: Masahiko Takahashi	BM-A2: Marco Petasecca
16.40-17.00	NR-B3: Muhammad Husamuddin Abdul Khalil	EA-A3: M. Z. M. Kamali	BM-A3: Cheah Ying Ying
17.00-17.20	NR-B4: Susan Sipaun		BM-A4: Nazifahbt Abdullah

DAY 2	5 th December 2017		
	PLENARY SESSION (Studio 1 & 2, Level 3)		
9.00-9.40	PLENARY 5: Young Pak Lee		<i>Chair: James Sullivan</i>
9.40-10.20	PLENARY 6: Jun'ichi Yokoyama		
10.20-10.40	TEA-BREAK		
10.40-11.20	PLENARY 7: Geoffrey Taylor		<i>Chair: Kazuhiro Tanaka</i>
11.20-12.00	PLENARY 8: Gui-Lu Long		
12.00-12.40	PLENARY 9: Rui-Qin Zhang		
12.40-14.00	LUNCH		
	PARALLEL SPECIAL SESSIONS (Level 3)		
	Studio 8	Studio 1	Studio 2
	SS7 Statistical Physics A (SP-A) <i>Chair: Satya N V Arjunan</i>	SS8 Exotic AMO Physics B (EA-B) <i>Chair: M. Takahashi</i>	SS9 Condensed Matter & Material Physics B (CM-B) <i>Chair: ShuPing Huang</i>
14.00-14.20	SP-A1: Tay Buang Ann	EA-B1: Arijit Ghoshal	CM-B1: Xing Zhu
14.20-14.40	SP-A2: Nasir Ganikhodjaev	EA-B2: Isao Nakajima	CM-B2: Christopher G. Jesudason
14.40-15.00	SP-A3: Mark Nolan P Confesor	EA-B3: Kurunathan Ratnavelu	CM-B3: Bhagwati Prasad
15.00-15.20	SP-A4: Chew Wei Xiang	EA-B4: Sabyasachi Kar	CM-B4: Konstantin Zloshchastiev
15.20-15.40	TEA-BREAK		
	PARALLEL SPECIAL SESSIONS (Level 3)		
	Studio 1	Studio 8	Studio 2
	SS10 Nuclear Physics & Radiation C (NR-C) <i>Chair: Leo Kwee Wah</i>	SS11 Particle Physics & Fields A (PF-A) <i>Chair: MZM Kamali</i>	SS12 Biological & Medical Physics B (BM-B) <i>Chair: Ng Kwan Hoong</i>
15.40-16.00	NR-C1: Sato Yoshiteru, S. C. Jeong	PF-A1: Chia Swee Ping	BM-B1: Lim Siew Yong
16.00-16.20	NR-C2: Nor Anita Rezle	PF-A2: Parada T. P. Hutaaruk	BM-B2: Mohd Hafiz Mohd Zin
16.20-16.40	NR-C3: S. A. Alavi	PF-A3: Mohammed Abdulmalek Abdulraheem Ahmed	BM-B3: Wong Yin How
16.40-17.00	NR-C4: V. Dehghani	PF-A4: Zhu Dan	BM-B4: Jegenathan Krishnasamy
17.00-19.30	Free time		
19.30-22.30	OPENING CEREMONY & CONFERENCE DINNER (Pullman Studio, Level 1)		

DAY 3	6 th December 2017		
	PLENARY SESSION		
8.30-9.10	PLENARY 10: Pak Ming Hui		<i>Chair: Michael J Brunger</i>
9.10-9.50	PLENARY 11: James Sullivan		
9.50-10.30	PLENARY 12: Fu-Jen Kao		
10.30-11.10	TEA-BREAK		
	PARALLEL SPECIAL SESSIONS		
	Studio 8	Studio 1	Studio 2
	SS13 Statistical Physics B (SP-B) <i>Chair: S. V. Muniandy</i>	SS14 Condensed Matter & Material Physics (CM-C) <i>Chair: Tan Winie</i>	SS15 Complex Systems & Multidisciplinary A (CS-A) <i>Chair: P. M. Hui</i>
11.10-11.30	SP-B1: Satya N. V. Arjunan	CM-C1: Shuping Huang	CS-A1: Zuo-Bing Wu
11.30-11.50	SP-B2: Pik-Yin Lai	CM-C2: Nurul Najla Binti Samsun Baharun	CS-A2: Sugendran Palanisamy
11.50-12.10	SP-B3: Charlene Sue P Caumeran	CM-C3: Noor Syuhada Binti Zakuan	CS-A3: Zurita Ismail
12.10-12.30	SP-B4: Rosario L. Reserva	CM-C4: Yap Chi Chin	CS-A4: M. Kalpana
12.30-14.00	LUNCH		
	PARALLEL SPECIAL SESSIONS		
	Studio 1	Studio 2	Studio 8
	SS16 Particle Physics & Fields B(PF-B) <i>Chair: Parada T.P. Hutaeruk</i>	SS17 Condensed Matter & Material Physics D (CM-D) <i>Chair: Masaaki Tanaka (TBC)</i>	SS18 Complex Systems & Multidisciplinary B (CS-B) <i>Chair: S. V. Muniandy</i>
14.00-14.20	PF-B1: Mohd Faudzi Umar	CM-D1: Tan Winie	CS-B1: Editha P. Jacosalem
14.20-14.40	PF-B2: Timothy Tie Dong Bing	CM-D2: Khadijah Hilmun Kamarudin	CS-B2: Sheila Guereben-Gonzales
14.40-15.00	PF-B3: Ganesh A/L Subramaniam	CM-D3: Ngai Koh Sing	
15.00-15.20		CM-D4: Zarina Aspanut	
15.20-15.40	TEA-BREAK		
	PARALLEL SPECIAL SESSIONS		
	Studio 1	Studio 2	
	SS19 Plasma Physics B (PP-B) <i>Chair: Rattachat Mongkolnavin (TBC)</i>	SS20 Astronomy & Astrophysics (AA) <i>Chair: Norhasliza Yusof</i>	
15.40-16.00	PP-B1: C.S. Wong	AA-1: Hasan Abu Kassim	
16.00-16.20	PP-B2: Siddhartha Sankar Kausik	AA-2: Muhamad Akram Zaki Bin Roslan	
16.20-16.40	PP-B3: Deepak Subedi	AA-3: Muhamad Syazwan Faid	
16.40-17.00		AA-4: AdlykaAnnuar	
17.00-17.20	Closing Remarks		

Day 4	7 th December 2017
8.30 -12.00	FREE DAY / DEPARTURE FROM Pullman Kuala Lumpur Bangsar

IMFP2017 Programme Schedule

3th December 2017

14.30-17.30 REGISTRATION@Pullman Bangsar Kuala Lumpur

DAY 1 4th December 2017

8.45-9.00 **Welcoming Address**

PLENARY SESSION @ STUDIO 1 & 2, LEVEL 3

9.00-9.40	PLENARY 1: Seungwan Kim (Pohang University of Science and Technology) <i>Quest for Neural Correlates of Consciousness</i>
9.40-10.20	PLENARY 2: Takaya Ohashi (Tokyo Metropolitan University) <i>X-Ray Study of Cosmic Plasmas: Present and Future</i>
10.20-10.40	PHOTO SESSION & TEA-BREAK
10.40-11.20	PLENARY 3: Aimin Song (University of Manchester) <i>Ultra-Fast Electron Transport in Graphene</i>
11.20-12.00	PLENARY 4: Kazuhiro Tanaka (KEK & Asian Nuclear Physics Association) <i>Major Accelerator Facilities for Nuclear Physics in Asia Pacific</i>
12.00-12.30	KEYNOTE: Woo-Sung Jung (Pohang University of Science and Technology) <i>New Horizons in Asia Pacific Physics Community</i>

12.30-14.00 LUNCH

PARALLEL SPECIAL SESSIONS @ LEVEL 3

Time	Session Title & Chair	Studio
14.00-15.50	SS1 Nuclear Physics & Radiation A (NR-A) <i>Chair: Susan Sipaun</i>	STUDIO 1
14.00-14.20	W. P. Liu (China Institute of Atomic Energy) <i>Progress of nuclear astrophysics project in China and underground project JUNA</i>	Invited NR-A1
14.20-14.40	Tohru Motobayashi (RIKEN Nishina Center) <i>Riken RI beam factory (RIBF)</i>	Invited NR-A2
14.40-15.00	Leo Kwee Wah (Malaysian Nuclear Agency) <i>Next generation of hadron driver for cancer therapy</i>	Contributed NR-A3
15.00-15.20	Nurhafiza Mohamad Nor (Universiti Teknologi Malaysia) <i>Band-head spectra of rare-earth nuclei within a self-consistent blocking approach</i>	Contributed NR-A4
15.20-15.40	Siti Aiasah Hashim (Malaysian Nuclear Agency) <i>Irradiation facilities at Nuclear Malaysia for industrial product development</i>	Invited NR-A5
14.00-15.40	SS2 Plasma Physics A (PP-A) <i>Chair: Deepak Subedi (TBC)</i>	STUDIO 8
14.00-14.20	Rattachat Mongkolnavin (Chulalongkorn University) <i>Electric field effect on electric probe operating in plasma focus device</i>	Invited PP-A1
14.20-14.40	Mehdi Nasri Nasrabadi (University of Isfahan) <i>Effect of various parameters on reflection, transmission, and absorption coefficients in an inhomogeneous plasma slab</i>	Invited PP-A2
14.40-15.00	Lim Mook Tzeng (TNB Research Sdn. Bhd) <i>Non-thermal plasma research areas in TNB Research Sdn. Bhd</i>	Invited PP-A3

15.00-15.20	MohdFaiz Bin Mohd Zin (Malaysian Nuclear Agency) <i>Variations of the neutron yield in Malaysian Nuclear Agency plasma focus (MNA-PF) operating in deuterium-argon mixture</i>	Contributed PP-A4
15.20-15.40	Lau Yen Theng (University of Malaya) <i>50 Hz argon plasma treatment on polystyrene surface</i>	Contributed PP-A5

14.00-15.40	SS3 Condensed Matter & Material Physics A (CM-A) Chair: Xing Zhu	STUDIO 2
14.00-14.20	Masaaki Tanaka (University of Tokyo) <i>Recent progress and topics in semiconductor spintronics and ferromagnetic semiconductors</i>	Invited CM-A1
14.20-14.40	Ahmad Nazrul Rosli (Universiti Sains Islam Malaysia) <i>Determination of the structural and electronic properties of Si_nGe_m ($n=1,2,3$ & $m=1,2,3$) clusters by first principle approach</i>	Contributed CM-A2
14.40-15.00	Eduardo C. Cuansing (University of the Philippines) <i>Quantum transport in nanojunctions with time-varying components</i>	Contributed CM-A3
15.00-15.20	Tarika K. Patel (Gujarat University) <i>Effect of thickness of filler layer in thermal transport through 1D sandwich structure</i>	Contributed CM-A4

15.40-16.00 **TEA-BREAK**

PARALLEL SPECIAL SESSIONS @ LEVEL 3

16.00-17.20	SS4 Nuclear Physics & Radiation B (NR-B) Chair: Weiping Liu	STUDIO 1
16.00-16.20	Li Hau-Bin (Academia Sinica) <i>Neutrino physics with the TEXONO Program at the Kuo-Sheng Reactor Neutrino Laboratory</i>	Invited NR-B1
16.20-16.40	Ong HooiJin (Osaka University) <i>Probing structure of light atomic nuclei</i>	Invited NR-B2
16.40-17.00	Muhammad Husamuddin Abdul Khalil (Malaysian Nuclear Agency) <i>Measurement of fission products gamma spectra of reactor TRIGA PUSPATI's fuels</i>	Contributed NR-B3
17.00-17.20	Susan Sipaun (Malaysian Nuclear Agency) <i>Nuclear fuel rod simulator</i>	Contributed NR-B4

16.00-17.00	SS5 Exotic Atomic, Molecular and Optical Physics A (EA-A) Chair: Michael J Brunger	STUDIO 2
16.00-16.20	Darryl B. Jones (Flinders University) <i>Electron scattering from technologically important molecules</i>	Invited EA-A1
16.20-16.40	Masahiko Takahashi (Tohoku University) <i>Towards visualizing the driving principle of a chemical reaction by time-resolved high-energy impact spectroscopies</i>	Invited EA-A2
16.40-17.00	MZM Kamali (University of Malaya) <i>Rydberg transitions for positron-hydrogen collisions in Lorentzian astrophysical plasmas</i>	Contributed EA-A3

16.00-17.20	SS6 Biological & Medical Physics A (BM-A) Chair: Mohd Hafiz Mohd Zin	STUDIO 8
16.00-16.20	Kwan Hoong Ng (University of Malaya) <i>From quantitative imaging to radiogenomics</i>	Invited BM-A1
16.20-16.40	Marco Petasecca (University of Wollongong) <i>Advanced dosimetry techniques: the experience at Centre for Medical Radiation Physics</i>	Invited BM-A2
16.40-17.00	Cheah Ying Ying (Asia Lab (Malaysia) Sdn. Bhd) <i>Characterisation of $Al_2O_3:C$ optically stimulated luminescence dosimeter (OSLD) in low dose kilovoltage photon beams</i>	Contributed BM-A3
17.00-17.20	Nazifahbt Abdullah (Universiti Sultan Zainal Abidin)	Contributed

<i>Reducing scatter in Tc-99m myocardial spect imaging using physical filter</i>	BM-A4
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DAY 2 **5th December 2017**

PLENARY SESSION @ STUDIO 1 & 2 LEVEL 3

9.00-9.40	PLENARY 5: YoungPak Lee (Hanyang University) <i>Perfect Absorption and Electromagnetically-induced Transparency of Metamaterials</i>
9.40-10.20	PLENARY 6:Jun'ichi Yokoyama (University of Tokyo) <i>Approaches to Inflationary Cosmology</i>
10.20-10.40	TEA-BREAK
10.40-11.20	PLENARY 7:Geoffrey Taylor (University of Melbourne) <i>Future High Energy Particle Accelerators – Will The Asia Century Preside?</i>
11.20-12.00	PLENARY 8: Gui-Lu Long (Tsinghua University) <i>Quantum Secure Direct Communication</i>
12.00-12.40	PLENARY 9:Rui-Qin Zhang (City University of Hong Kong) <i>Electron Tunneling Lifetime in Atomic Systems, A Projected Green's Function Method</i>

12.40-14.00 **LUNCH**

PARALLEL SPECIAL SESSIONS @ LEVEL 3

14.00-15.20	SS7 Statistical Physics A (SP-A) <i>Chair: Satya N V Arjunan</i>	STUDIO 8
14.00-14.20	Tay Buang Ann (University of Nottingham Malaysia) <i>Generic Markovian master equation for a quantum oscillator and Its solutions</i>	Invited SP-A1
14.20-14.40	Nasir Ganikhodjaev (International Islamic University Malaysia) <i>Lattice models on Cayley tree with competing interaction</i>	Invited SP-A2
14.40-15.00	Mark Nolan P Confesor (MSU-Iligan Institute of Technology) <i>Active matter driven actuators: across length scales</i>	Invited SP-A3
15.00-15.20	Chew Wei Xiang (University of Malaya) <i>Simulating intracellular excluded volume effects at single molecule resolution with lattice-based approach</i>	Contributed SP-A4

14.00-15.20	SS8 Exotic Atomic, Molecular and Optical Physics B (EA-B) <i>Chair: M. Takahashi</i>	STUDIO 1
14.00-14.20	Arijit Ghoshal (Burdwan University) <i>Resonance in positronic lithium in plasmas</i>	Invited EA-B1
14.20-14.40	Isao Nakajima (Tohoku University) <i>On the range of validity of the plane wave impulse approximation picture for electron momentum spectroscopy</i>	Contributed EA-B2
14.40-15.00	Kuru Ratnavelu (University of Malaya) <i>Charge transfer in proton-hydrogen collisions under astrophysical plasmas</i>	Contributed EA-B3
15.00-15.20	Sabyasachi Kar (Harbin Institute of Technology) <i>Polarizability of exotic molecular ions in model plasma environments</i>	Invited EA-B4

14.00-15.20	SS9 Condensed Matter & Material Physics B (CM-B) <i>Chair: ShuPing Huang</i>	STUDIO 2
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14.00-14.20	Xing Zhu (Peking University) <i>Plasmonic nanostructure and devices</i>	Invited CM-B1
14.20-14.40	Christopher G. Jesudason (University of Malaya) <i>Steady state NEMD investigation of the energetics and temperature distribution of a 1-D lattice chain subjected to a temperature gradient</i>	Invited CM-B2
14.40-15.00	Bhagwati Prasad (Sardar Vallabhbhai National Institute of Technology) <i>Investigation of electronic and optical properties of GaSe monolayer using ab initio method</i>	Contributed CM-B3
15.00-15.20	Konstantin Zloshchastiev (Durban University of Technology) <i>Quantum-statistical phenomenon of sustainability and its manifestations in dissipative photonic systems</i>	Contributed CM-B4

15.20-15.40

TEA-BREAK

PARALLEL SPECIAL SESSIONS @ LEVEL 3

15.40-17.00	SS10 Nuclear Physics & Radiation C (NR-C) <i>Chair: Leo KweeWah</i>	STUDIO 1
15.40-16.00	Sato Yoshiteru, S. C. Jeong (Institute of Basic Science, Korea) <i>Progress of rare isotope science project in Korea</i>	Invited NR-C1
16.00-16.20	Nor Anita Rezle (UniversitiTeknologi Malaysia) <i>Effect of pairing correlations on band-head spectra of rare-earth nuclei within highly truncated diagonalization approach</i>	Contributed NR-C2
16.20-16.40	S. A. Alavi (University of Sistan and Baluchestan) <i>Effect of deformed surface diffuseness on fusion and alpha decay</i>	Contributed NR-C3
16.40-17.00	V. Dehghani (University of Sistan and Baluchestan) <i>Thermal properties of superheavy nuclei with temperature-dependent pairing energy</i>	Contributed NR-C4

15.40-17.00	SS11 Particle Physics& Fields A (PF-A) <i>Chair: MZM Kamali</i>	STUDIO 8
15.40-16.00	Chia Swee Ping (University of Malaya) <i>Vertex function of gluon-photon penguin</i>	Invited PF-A1
16.00-16.20	Parada T. P. Hutauruk (Asia Pacific Center for Theoretical Physics) <i>Kaon structure in the chiral effective quark model</i>	Contributed PF-A2
16.20-16.40	Mohammed AbdulmalekAbdulraheem Ahmed (Universiti Putra Malaysia) <i>Effect of colour singlet on phase transition from hadronic gas to partonic plasma</i>	Contributed PF-A3
16.40-17.00	Zhu Dan (UniversitiSains Malaysia) <i>Bifurcation and transition of multiple charged one-plus-half monopole solutions of the SU(2) Yang-Mills-Higgs theory</i>	Contributed PF-A4

15.20-16.40	SS12 Biological &Medical Physics B (BM-B) <i>Chair: Ng KkwanHoong</i>	STUDIO 2
15.40-16.00	Lim Siew Yong (UniversitiSains Malaysia) <i>Characterisation of fast time-of-flight cameras for optical surface tracking in advanced radiotherapy</i>	Contributed BM-B1
16.00-16.20	Mohd Hafiz Mohd Zin (UniversitiSains Malaysia) <i>Reduction of tumour target uncertainties using Image Guided Radiotherapy (IGRT): a review</i>	Contributed BM-B2
16.20-16.40	Wong Yin How (University of Malaya) <i>Computed Tomography-based thermometry for temperature mapping during percutaneous radiofrequency ablation: ex-vivo investigation</i>	Contributed BM-B3
16.40 -17.00	JegenathanKrishnasamy (University of Malaya) <i>Nucleic acid based back to back Schottkydiode</i>	Contributed CS-B2

19.30-22.30 OPENING CEREMONY &CONFERENCE DINNER-PULLMAN STUDIO LEVEL 1

DAY 3 **6th December 2017**

PLENARY SESSION @ STUDIO 1 & 2 LEVEL 3

8.30-9.10	PLENARY 10: Pak Ming Hui (Chinese University of Hong Kong) <i>Evolutionary Games and The Ising Model – When Two Fields Meet</i>
9.10-9.50	PLENARY 11: James Sullivan (Australian National University) <i>Fundamental and Applied Studies of Low Energy Positron Scattering</i>
9.50-10.30	PLENARY 12: Fu-Jen Kao (National Yang-Ming University) <i>Pump-Probe Microscopy With Stimulated Emission Modulation</i>

10.30-11.10 **TEA-BREAK**

PARALLEL SPECIAL SESSIONS @ LEVEL 3

Time	Session Title & Chair	Location
11.10-12.30	SS13 Statistical Physics B (SP-B) <i>Chair: S.V. Muniandy</i>	STUDIO 8
11.10-11.30	Satya N. V. Arjunan (RIKEN Quantitative Biology Center) <i>Biophysical modelling and simulation of complex molecular systems</i>	Invited SP-B1
11.30-11.50	Pik-Yin Lai (National Central University) <i>Irreversibility and entropy production in non-equilibrium systems</i>	Invited SP-B2
11.50-12.10	Charlene Sue P Caumeran (MSU-Iligan Institute of Technology) <i>Dynamics of Physarum Polycephalum powered mm-sized gear</i>	Contributed SP-B3
12.10-12.30	Rosario L. Reserva (MSU-Iligan Institute of Technology) <i>Electrotaxis of the Physarum polycephalum cells probed by traction force microscopy</i>	Contributed SP-B4
11.10-12.30	SS14 Condensed Matter & Material Physics C (CM-C) <i>Chair: Tan Winie</i>	STUDIO 1
11.10-11.30	Shuping Huang (Fuzhou University) <i>Li₈MO₆: A cathode material for lithium ion batteries</i>	Invited CM-C1
11.30-11.50	Nurul Najla Binti Samsun Baharun (University of Malaya) <i>Preparation and studies of sodium-carboxymethylcellulose (CMC-Na) thin film polymer electrolyte</i>	Contributed CM-C2
11.50-12.10	Noor Syuhada Binti Zakuan (University of Malaya) <i>Tin-based Metal Oxide Li₂SnO₃ as an Anode Material for Lithium-Ion Batteries Synthesized via Hydrothermal Route</i>	Contributed CM-C3
12.10-12.30	Yap Chi Chin (Universiti Kebangsaan Malaysia) <i>Spin-coated Bi₂S₃ electron selective layer for inverted organic solar cell application</i>	Contributed CM-C4
11.10-12.30	SS15 Complex Systems & Multidisciplinary Physics A (CS-A) <i>Chair: P.M. Hui</i>	STUDIO 2
11.10-11.30	Zuo-Bing Wu (Chinese Academy of Science) <i>Recurrence distance distributions in the Synechocystis PCC6803 genome</i>	Invited CS-A1
11.30-11.50	Sugendran Palanisamy (University of Malaya) <i>Subthreshold Fluctuation Analysis of Excitatory and Inhibitory (E-I) Neural signals for pre-seizure prediction using 1D Wilson-Cowan formalism</i>	Contributed CS-A2
11.50-12.10	Zurita Ismail (Universiti Putra Malaysia) <i>Structure and evolution of UPM co-authorship network in journal publication from 2007-2010</i>	Contributed CS-A3
12.10-12.30	M. Kalpana (University of Malaya) <i>Audio encryption based on chaotic fuzzy cellular neural networks</i>	Contributed CS-A4

12.30-14.00	LUNCH	
	PARALLEL SPECIAL SESSIONS @ LEVEL 3	

14.00-15.00	SS16 Particle Physics & Fields B (PF-B) Chair: Parada T.P. Hutauruk	STUDIO 1
14.00-14.20	MohdFaudzi Umar (Universiti Pendidikan Sultan Idris) <i>Two dimensional plane, modified symplectic structure and quantization</i>	Contributed PF-B1
14.20-14.40	Timothy Tie Dong Bing (Universiti Sains Malaysia) <i>Branching behavior of dyonic multi-monopole with multi-half monopole</i>	Contributed PF-B2
14.40-15.00	Ganesh A/L Subramaniam (University Putra Malaysia) <i>Killing tensor of five dimensional Melvin's spacetime</i>	Contributed PF-B3

14.00-15.20	SS17 Condensed Matter & Material Physics D (CM-D) Chair: Masaaki Tanaka (TBC)	STUDIO 2
14.00-14.20	Tan Winie (Universiti Teknologi MARA) <i>Chitosan for new generation energy device</i>	Invited CM-D1
14.20-14.40	Khadijah Hilmun Kamarudin (Universiti Malaysia Terengganu) <i>Enhanced ionic conductivity of CMC-Based solid polymer electrolytes by varying ethylene glycol concentration</i>	Contributed CM-D2
14.40-15.00	Ngai Koh Sing (University of Malaya) <i>Composite polymer electrolyte based on PAA and LiBF₄ doped with BaTiO₃: a novel material for energy devices</i>	Contributed CM-D3
15.00-15.20	Zarina Aspanut (University of Malaya) <i>Effect of substrate temperature on the growth of nickel silicide nanowires for electrochemical supercapacitor application</i>	Contributed CM-D4

14.00-15.20	SS18 Complex Systems & Multidisciplinary Physics B (CS-B) Chair: S.V. Muniandy	STUDIO 8
14.00-14.20	Editha P. Jacosalem (MSU-Iligan Institute of Technology) <i>Dynamics of the probe particle in flowing soap thin film</i>	Contributed CS-B1
14.20-14.40	Jegenathan Krishnasamy (University of Malaya) <i>Nucleic acid based back to back Schottky diode</i>	Contributed CS-B2 (moved to BM-B)
14.40-15.00	Sheila Guerooben-Gonzales (MSU-Iligan Institute of Technology) <i>Demonstration of anomalous diffusion of compressed gas through a semi-permeable membrane</i>	Contributed CS-B3

15.20-15.40	TEA-BREAK	
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	PARALLEL SPECIAL SESSIONS @ LEVEL 3	
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15.40-17.00	SS19 Plasma Physics B (PP-B) Chair: Rattachat Mongkolnavin (TBC)	STUDIO 1
15.40-16.00	C.S. Wong (University of Malaya) <i>Cost effective non-thermal plasma devices</i>	Invited PP-B1
16.00-16.20	Siddhartha Sankar Kausik (Institute for Plasma Research Assam) <i>Cesiated tungsten dust in plasma volume: a new source of negative ion</i>	Invited PP-B2
16.20-16.40	Deepak Subedi (Kathmandu University) <i>Surface treatment of PET and PP by atmospheric pressure dielectric barrier discharge for improvement in hydrophilicity</i>	Invited PP-B3

15.40-16.40	SS20 Astronomy & Astrophysics (AA) Chair: Norhasliza Yusof	STUDIO 2
15.40-16.00	Hasan Abu Kassim (University of Malaya) <i>Very massive stars and pair instability supernovae explosion</i>	Invited AA-1

16.00-16.20	Muhamad AkramZaki Bin Roslan (UniversitiSains Malaysia) <i>Observation study of major solar flares</i>	Contributed AA-2
16.20-16.40	Muhamad SyazwanFaid (UniversitiTeknologi Mara) <i>Semi empirical modelling of light polluted twilight sky brightness</i>	Contributed AA-3
16.40-17.00	AdlykaAnnuar (Durham University) <i>Towards a complete census of the hidden supermassive black hole population in our local universe</i>	Contributed AA-4

17.00-17.20	Closing Remarks
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Day 4	7th December 2017
8.30 -12.00	FREE DAY / DEPARTURE FROM Pullman Bangsar Kuala Lumpur