

AVS Taiwan-Chapter

地點：傳播館 Q409

2017/01/16(一)		
發表編號	論文題目	投稿人
O1-AVS-001 16:30-16:45	Fractional quantum Hall effect in the $N=2$ Landau level in bilayer graphene Georgi Diankov ¹ , Chi Te Liang ^{1,2*} , François Amet ^{3,4} , Patrick Gallagher ¹ , Menyong Lee ¹ , Andrew J. Bestwick ¹ , Kevin Tharratt ¹ , William Coniglio ⁵ , Jan Jaroszynski ⁵ , Kenji Watanabe ⁶ , Takashi Taniguchi ⁶ , David Goldhaber-Gordon ¹	Chi-Te Liang 梁啟德 國立臺灣大學
O1-AVS-002 16:45-17:00	Temperature dependence of electron density and electron-electron interactions in monolayer epitaxial graphene on SiC Chieh-Wen Liu ^{1,2*} , Chiashain Chuang ¹ , Yanfei Yang ¹ , Randolph E. Elmquist ¹ , Yi-Ju Ho ² , Hsin-Yen Lee ³ , Chi-Te Liang ^{2,3}	Chieh-Wen Liu 劉玠汶 國立臺灣大學
O1-AVS-003 17:00-17:15	Theory of valley-dependent transport in graphene-based lateral quantum structures Feng-Wu Chen ^{1*} , Mei-Yin Chou ^{2,3,4} , Yiing-Rei Chen ⁵ , Yu-Shu Wu ^{1,6}	Feng-Wu Chen 陳峰梧 國立清華大學
O1-AVS-004 17:15-17:30	Atomic view of metal atoms intercalation into black phosphorous Woei Wu Pai ^{1*} , Yi Jeng Tzeng ² , Horng Tay Jeng ³	Woei Wu Pai 白偉武 國立臺灣大學

O1-AVS-005 17:30-17:45	Se deficiency in unconventional charge density wave 1T-TiSe_{2-δ} S. H. Huang ^{1,2*} , G. J. Shu ¹ , Woei Wu Pai ¹ , H. L. Liu ² , F. C. Chou ¹	Song-Hsun Huang 黃松勳 國立臺灣師範大學
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O2-AVS-001 09:00-09:30	Mechanical properties of Polycrystalline and Defective Graphene Ivan Oleynik ^{1*}	Ivan Oleynik University of South Florida
O2-AVS-002 09:30-10:00	Near room temperature graphene-edge growth with diluted methane CVD and molten gallium catalyst Jun-ichi Fujita ^{1,3*} , Takaki Hiyama ^{1,3} , Ayaka Hirukawa ^{1,3} , Takahiro Kondo ^{2,3} , Junji Nakamura ^{2,3} , Shin-ichi Ito ^{2,3} , Masaki Takeguchi ⁴ , Woei Wu Pai ⁵	Jun-ichi Fujita 藤田淳一 University of Tsukuba
O3-AVS-001 13:30-14:00	Gate-controlled Two-dimensional materials Yuanbo Zhang ^{1*}	Yuanbo Zhang 张远波 复旦大学
O3-AVS-002 14:00-14:30	Unique Spin-Valley Properties in 2D Transition Metal Dichalcogenide Monolayers and Heterostructures Wen-Hao Chang ^{1*}	Wen-Hao Chang 張文豪 國立交通大學
O3-AVS-003 14:30-15:00	Ferromagnetic van der Waals metal Fe₃GeTe₂: from bulk to atomically thin crystals Jun Sung Kim ^{1*}	Jun Sung Kim Pohang University of Science and Technology
休息		

<p>O4-AVS-001 15:30-16:00</p>	<p>Parity-broken monatomic-layer superconductors Shuji Hasegawa^{1*}</p>	<p>Shuji HASEGAWA 長谷川 修司 University of Tokyo</p>
<p>O4-AVS-002 16:00-16:30</p>	<p>Superconducting Topological Surface States in Non-centrosymmetric Bulk Superconductor PbTaSe2 Syu-You Guan^{1,2}, Peng-Jen Chen^{1,2}, Ming-Wen Chu³, Raman Sankar^{2,3}, Fangcheng Chou³, Horng-Tay Jeng^{2,4}, Chia-Seng Chang^{1,2}, Tien-Ming Chuang^{2*}</p>	<p>Tien-Ming Chuang 莊天明 中央研究院</p>
<p>O4-AVS-003 16:30-17:00</p>	<p>Controlling Charge Transport, Spin Transport and Superconductivity in a Two-Dimensional Materials by the Electric Field Effect</p>	<p>Barbaros OZYILMAZ National University of Singapore</p>
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<p>O5-AVS-001 17:10-17:40</p>	<p>Single-layer Dual Germanene Phases on Ag(111) Chung-Huang Lin¹, Angus Huang¹, Woei Wu Pa^{2,3}, Wei-Chuang Chen⁴, Tay-Rong Chang¹, Ryu Yukawa⁵, Cheng-Maw Cheng⁴, H -T Jeng^{1,6}, Chung-Yu Mou¹, Iwao Matsuda⁵, T.-C. Chiang⁷, Shu-Jung Tang^{1,4*}</p>	<p>Shu-Jung Tang 唐述中 國立清華大學</p>
<p>O5-AVS-002 17:40-18:10</p>	<p>Growth of Ge and Si on the Monolayer Silicene on Ag(111) and Al(111) Han-De Chen¹, Ko-Hsiang Chien¹, Deng-Sung Lin^{1*}</p>	<p>Deng-Sung Lin 林登松 國立清華大學</p>
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<p>O6-AVS-001 09:00-09:15</p>	<p>Electrical valley filtering in transition metal dichalcogenides Tzu-Chi Hsieh^{1*}, Mei-Yin Chou^{1,2,3}, Yu-Shu Wu^{4,5}</p>	<p>Tzu-Chi Hsieh 謝子祺 中央研究院</p>
<p>O6-AVS-002 09:15-09:30</p>	<p>Evolution of Direct and Indirect Band Gap by Inhomogeneous Strain in Monolayer MoS₂-WSe₂ and WSe₂-MoSe₂ Lateral Heterostructures Wei-Ting Hsu^{1*}, Li-Syuan Lu¹, Dean Wang¹, Ming-Yang Li², Jing-Kai Huang³, Yi-Chia Chou¹, Lain-Jong Li³, Wen-Hao Chang¹</p>	<p>Wei-Ting Hsu 徐瑋廷 國立交通大學</p>
<p>O6-AVS-003 09:30-09:45</p>	<p>Plasmon dispersion in MoS₂ by momentum-resolved electron energy-loss spectroscopy Chien-Ting Wu^{1*}, Jyun-Hong Huang², Tuo-Hung Hou², Ming-Wen Chu³</p>	<p>Chien-Ting Wu 吳建靈 財團法人國家實驗研究院</p>
<p>O6-AVS-004 09:45-10:00</p>	<p>Low Frequency Electrical Noise in Single-Layer MoS₂ at High Carrier Concentration encapsulated by ionic liquid gel Ji-Wun Wang^{1,2*}, Yen-Po Liu², Bo-Han Chen³, Meng-Hsi Chuang³, Dah-Chin Lin⁴, Jeng-Chung Chen¹, Yi-Hsien Lee³, Yung-Fu Chen²</p>	<p>Ji-Wun Wang 王繼文 國立清華大學</p>
<p>O6-AVS-005 10:00-10:15</p>	<p>Strongly enhanced photoluminescence and Raman signals of monolayer 2D materials via substrate induced interference Yen-Chun Chen^{1*}, Han Yeh¹, Wen-Hao Chang¹</p>	<p>Yen-Chun Chen 陳衍均 國立交通大學</p>

<p>O6-AVS-006 10:15-10:30</p>	<p>Direct growth of WSe₂ on SiO₂ by chemical vapor deposition with seeding promoter</p> <p>Han Yeh^{1*}, Zhen-Yu Juang¹, Wen-Hao Chang¹</p>	<p>Han Yeh 葉涵 國立交通大學</p>
<p>O7-AVS-001 13:30-13:45</p>	<p>Chemically-induced Large-Gap Quantum Anomalous Hall Insulator States in III-Bi Honeycombs</p> <p>Christian P. Crisostomo^{1*}, Zhi-Quan Huang¹, Chia-Hsiu Hsu¹, Feng-Chuan Chuang¹, Hsin Lin^{2,3}, Arun Bansil⁴</p>	<p>Christian Crisostomo 克里斯汀 國立中山大學</p>
<p>O7-AVS-002 13:45-14:00</p>	<p>Thermodynamically driven phase transition and thermal properties of composite SnSe_xnanoparticles on flexible substrate</p> <p>Ling Lee^{1*}, Arumugam Manikandan¹, Chia-Wei Chen¹, Yu-Lun Chueh¹</p>	<p>Ling Lee 李寧 國立清華大學</p>
<p>O7-AVS-003 14:00-14:15</p>	<p>The novel two-dimensional materials and heterostructures thin films of electronic structure</p> <p>Pei-Yu Chuang^{1*}, Shu-Hsuan Su¹, Shen-Wen Chen¹, Cheng-Maw Cheng², Tay-Rong Chang³, Jung-Chun A. Huang¹</p>	<p>Pei-Yu Chuang 莊霽于 國立成功大學</p>
<p>O7-AVS-004 14:15-14:30</p>	<p>The Study of Solar Cells Based on 2D Materials MoS₂, WS₂ and Graphene with Bulk Semiconductors</p> <p>Cheng-Lun Tsai¹, Yi-Hsien Lee¹, Jin-Hua Huang^{1*}</p>	<p>Jin-Hua Huang 黃金花 國立清華大學</p>
<p>休息</p>		

<p>O8-AVS-001 14:40-14:55</p>	<p>Efficient n-type Doping in Epitaxial Graphene through Strong Lateral Orbital Hybridization of Ti Adsorbate</p> <p>Jih-Wei Chen^{1*}, Camilla Coletti², Cheng-Maw Cheng³, Ming-Fa Lin¹, Stefan Heun⁴, Forest Shih-Sen Chien⁵, Yi-Chun Chen¹, Chia-Hao Chen³, Chung-Lin Wu¹</p>	<p>Jih-Wei Chen 陳至瑋 國立成功大學</p>
<p>O8-AVS-002 14:55-15:10</p>	<p>Layered control of woven graphene tubes and their anti-corrosion behavior</p> <p>An T. Nguyen^{1*}, Wei-Cheng Lai¹, Bao Dong To¹, Duc Dung Nguyen², Hung-Chih Kan¹, Chia-Chen Hsu¹</p>	<p>An Nguyen 阮氏安 國立中正大學</p>
<p>O8-AVS-003 15:10-15:25</p>	<p>Low Temperature Growth of Graphene on Glass by Carbon-Enclosed Chemical Vapor Deposition Process and its Application as Transparent Electrode in Harsh Environment</p> <p>Yu-Ze Chen^{1*}, Henry Medina¹, Hung-Wei Tsai¹, Yi-Chung Wang¹, Yu-Ting Yen¹, Arumugam Manikandan¹, Yu-Lun Chueh¹</p>	<p>Yu-Ze Chen 陳雨澤 國立清華大學</p>
<p>O8-AVS-004 15:25-15:40</p>	<p>Effect of the flow regime on graphene growth</p> <p>Ya-Ping Hsieh¹, Ching-Hua Shih^{1*}, Yi-Jing Chiu¹, Mario Hofmann²</p>	<p>Ching-Hua Shih 施晶華 國立中正大學</p>