



제25회 한국반도체학술대회

The 25th Korean Conference on Semiconductors

2018년 2월 5일(월)-7일(수), 강원도 하이원리조트 컨벤션 호텔

2018년 2월 7일(수), 14:45-16:15

컨벤션 호텔, 5층 로비

[WP1] Poster Session II

WP1-1	Improvement of Line Edge Fluctuation and Etching Selectivity of Self-Assembled Block Copolymer Patterns Using a Copolymerized Block Seungwon Song, Yoon Hyung Hur, and Yeon Sik Jung <i>Department of Materials Science and Engineering, KAIST</i>
WP1-2	Novel Method for Etch Loading Control of Source and Drain Recess for Formation of Steep Junction Seung-Soo Hong, K. S. Min, B. R. Lim, A. R. Ji, H. H. Jung, G. J. Seong, J. Y. Lee, Y. M. Oh, and J.C. Park <i>Process Development Team, Semiconductor R&D Center</i>
WP1-3	Quasi Atomic Layer Etching of SiO₂ Layers for Surface Cleaning of Nanoscale Patterns Yongjae Kim ¹ , Kyongbeom Koh ² , Taehwan Cha ² , and Heeyeop Chae ^{1,2} <i>¹SAINT, Sungkyunkwan University, ²School of Chemical Engineering, Sungkyunkwan University</i>
WP1-4	Laser Writing for Self-Assembly of Block Copolymer on Graphene Jin Young Choi, Hyeong Min Jin, Seung Hyun Lee, Ju Young Kim, Seung Keun Cha, and Sang Ouk Kim <i>Department of Materials Science and Engineering, KAIST</i>
WP1-5	Complex 3D Multimetal Nanomesh Patterns via Block Copolymer Self-Assembly Seung Keun Cha and Sang Ouk Kim <i>Department of Materials Science & Engineering, KAIST</i>
WP1-6	Enhancement of Gas Sensing Performance through the Decoration of Branch Heterointerfaces and Metallic Effects Hyoun Woo Kim, Myung Sik Choi, and Jae Hoon Bang <i>Division of Materials Science and Engineering, Hanyang University</i>
WP1-7	3D NAND Flash Transistor CD Uniformity 개선 방법 연구 Kibok Kim, Hyoungsoon Yune, Seyoung Oh, Chanha Park, and Hyunjo Yang <i>R&D Division, SK Hynix</i>
WP1-8	CD Loading Mechanism of Si Removal Etch Back at High Selectivity Hyunji Kim ¹ , Yongho Jeon ¹ , Hunsang Kim ² , Fenglin Wang ² , Yongseok Lee ¹ , Dongseok Lee ¹ , Junghyeon Kim ¹ , Lina Yoo ¹ , Seongwoo Myeong ¹ , Miri Jung ¹ , Youngmook Oh ¹ , and Jongcheol Park ¹ <i>¹Samsung Electronics Co., Ltd., ²Applied Materials Inc.</i>



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WP1-9	Etch Characteristics of Micrometer-Scale Masked Cu Thin Films Using Inductively Coupled Plasma of H₂/Ar Jae Sang Choi, Doo Hyeon Cho, Eun Taek Lim, and Chee Won Chung <i>Department of Chemical Engineering, Inha University</i>
WP1-10	Etch Characteristics of Nanometer-Scale Patterned Thin Film Using Aerosol Jet Etching System Doo Hyeon Cho, Eun Taek Lim, Jae Sang Choi, and Chee Won Chung <i>Department of Chemical Engineering, Inha University</i>
WP1-11	Inductively Coupled Plasma Reactive Ion Etching of Cu Thin Film Using O₂/Ar Plasma Eun Taek Lim, Jae Sang Choi, Doo Hyeon Cho, and Chee Won Chung <i>Department of Chemical Engineering, Inha University</i>
WP1-12	The Electrical Characterization of The Nano-Size Trench Structured MOS Device Assisted by CHF₃-Plasma Dry Cleaning Myeong Gyoon Chae ¹ , Jaeho Lee ¹ , Beomgil Ha ¹ , Kyongbeom Koh ² , Heeyeop Chae ² , and Changhwan Choi ¹ <i>¹Division of Materials Science and Engineering, Hanyang University, ²Department of Chemical Engineering, Sungkyunkwan University</i>
WP1-13	Implant Condition에 따른 Gate Poly Etch 기술 Dae Won Kim, Sung Hwan Ahn, Dong Ryeol Lee, and Dong Goo Choi <i>DRAM Process Group, SK Hynix</i>
WP1-14	Characterization of Cr etch process using O₂-less Cl₂ plasma JiCheol Kim, HyunDuck Shin, HoYong Jung, SangPyo Kim, and HyunJo Yang <i>SK Hynix Inc.</i>
WP1-15	Development of Lift-off Patterning Technology of Graphene-ZnO Thin Film on Plastic Substrates for Transparent and Flexible Thin Film Transistors Soon Yeol Kwon ¹ , Dong Geon Jung ² , Young Chan Choi ³ , Jae Yong Lee ⁴ , and Senog Ho Kong <i>School of Electronics Engineering, Kyngpook National University</i>
WP1-16	The Improvement of Plasma Damage Effect by Optimizing PAD Etch Process Jeonggyu Park, Kwangil Choi, Jina Eum, Hongik Kim, Sunggon Choi, and Inwook Cho <i>PMIC Product Engineering, SKHynix systemic Inc</i>
WP1-17	Pulse방식을 이용하여 UHV CVD로 증착한 Epitaxial Si:B박막의 Low Doping 연구 이다윤, 박지우, 김태호, 손현철 <i>연세대학교 공과대학 신소재공학과</i>



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WP1-18	Simple and Easy Performance Test System for Avalanche Photodiode in Ultraviolet Region Jin Yeong Ryu ¹ , Byeong-Hwang Park ¹ , Kibong Choi ¹ , Young Il Kang ¹ , Eugene Chong ¹ , and Young-Gook Heo ² <i>¹Agency for Defense Development, ²Sensor Tech Inc.</i>
WP1-19	Enhanced Power Conversion Efficiency of GaAs Thin-Film Solar Cell Using A Metallic Nanostructure Yejun Yun, Sunghyun Moon, Kangho Kim, Minhyung Lee, and Jaejin Lee <i>Department of Electrical and computer Engineering, Ajou University</i>
WP1-20	Atomic Layer Deposition of HfO₂ Films on Graphene Soo Bin Kim, Hyeok Jae Lee, and Sang Woon Lee <i>Department of Energy Systems Research and Department of Physics, Ajou University</i>
WP1-21	고농도 Poly-SiGe Film에서의 SPM Chemical 반응 특성 연구 So-Hee Lim, Sun-Jin Lee, Hyo-Geun Yoon, Kyung-Ho Hwang, and Sang-Duk Kim <i>R&D Department, SK Hynix</i>
WP1-22	Characterization of Ion Gel and its Application as Gate Dielectrics for Graphene FET Kwanbyung Chae, Nguyen Duc Cuong, Y.H.Ahn, Soonil Lee, and Ji-Yong Park <i>Department of Physics and Department of Energy Systems Research, Ajou University</i>
WP1-23	Photodetectors Based on the Heterostructures of Single-walled Carbon Nanotubes and MoS₂ Van Tu Nguyen ¹ , Woongbin Yim ¹ , SaeJune Park ¹ , ByungHee Son ¹ , Thi Thanh Cao ² , Van Chuc Nguyen ² , Yumin Sim ³ , Maeng-Je Seong ³ , Yeonghwan Ahn ¹ , Soonil Lee ¹ , and Ji-Yong Park ¹ <i>¹Department of Physics and Department of Energy Systems Research, Ajou University, ²Institute of Materials Science, Vietnam Academy of Science and Technology, ³Department of Physics, Chung-Ang University</i>
WP1-24	Improved Performance of Ge Single Junction Solar Cells with Nano-Pillar Arrays Kangho Kim ¹ , Youngjo Kim ^{1,2} , Nguyen Dinh Lam ¹ , Sunghyun Moon ¹ , and Jaejin Lee ¹ <i>¹Department of Electrical and Computer Engineering, Ajou University, ²Korea Advanced Nano Fab Center, ³Department of Physics, Hanoi National University of Education</i>
WP1-25	High Efficiency Single-Junction Ge Solar Cells Grown on GaAs Substrates by MOCVD Youngjo Kim ^{1, 2} , Kangho Kim ¹ , Sunghyun Moon ¹ , and Jaejin Lee ¹ <i>¹Department of Electrical and computer Engineering, Ajou University, ²Korea Advanced Nano Fab Center</i>
WP1-26	Layer Thickness Tunable Solution-Based Growth Process of MoS₂ for Efficient Hydrogen Evolution Reaction Dhanasekaran Vikraman ¹ , Kamran Akbar ² , Sajjad Hussain ³ , Seung Hu Lee ¹ , Seung-Hyun Chun ² , Jongwan Jung ³ , and Hui Joon Park ^{1,4} <i>¹Department of Energy Systems Research, Ajou University, ²Department of Physics, Sejong University, ³Institute of Nano and Advanced Materials Engineering, Sejong University, ⁴Department of Electrical and Computer Engineering, Ajou University</i>



WP1-27	Two-Step Solution Process-Based Pure Perovskite Film Formation for High Performance Solar Cell Uisik Kwon ¹ , Wenping Yin ² , Song Ah Ok ¹ , Tae Kyu Ahn ² , and Hui Joon Park ^{1,3} <i>¹Department of Energy Systems Research, Ajou University, ²Department of Energy Science, Sungkyunkwan University, ³Department of Electrical and Computer Engineering, Ajou University</i>
WP1-28	Design of Double-Faced GaAs Solar Cell Soo Hoon Park, Seung Jun Lee, Sung Min Ma, and Junseok Heo <i>Department of Electrical and Computer Engineering, Ajou University</i>
WP1-29	Evaluation of Uniform Strain in InAlSb/ InGaSb/AlGaSb Quantum Well on GaAs Substrates for High Hole Mobility Transistor Il-Pyo Roh ^{1,2} , SangHyeon Kim ² , Dae-Myeong Geum ² , Sung-Yul L. Park ² , YunHeub Song ¹ , and Jin-Dong Song ² <i>¹ Department of Electronics and Communications Engineering, Hanyang University, ²Center for Opto-Electronic Materials and Devices, KIST</i>
WP1-30	Symmetric InAs Quantum Dots for Entangled Photons Suk In Park and Jin Dong Song <i>Center for Opto-Electronic Materials, KIST</i>
WP1-31	High-Quality 100 nm-thick InSb Films on GaAs (001) Substrates with In_{1-x}Al_xSb Continuously Graded Buffer Layer Sooseok Kang, Hangkyu Kang, and Jindong Song <i>Center for Opto-Electronic Materials and Devices, KIST</i>
WP1-32	Transparent Bonding Technology for Epitaxial Lift-off of III-V Compound Semiconductor Dohyun Kim, Seonghyun Nam, Youngseo Park, and Junseok Heo <i>Department of Electrical and Computer Engineering, Ajou University</i>
WP1-33	Enhanced Photo-Responses in Multi-Layer MoS₂ Phototransistors Using Au Nano-Pattern Jinwu Park, Sanghyun Lee, Yeojun Yun, Jaejin Lee, and Junseok Heo <i>Department of Electrical and Computer Engineering, Ajou University</i>
WP1-34	Characteristic of Quantum Dot Laser Grown on GaAs for Si Photonics Application Jae-Hoon Han ¹ , GeunHwanRyu ^{1,2} , Seung-Yeop Ahn ¹ , Ho-Sung Kim ¹ , Subin Lee ¹ , Han-Youl Ryu ² , SangHyeon Kim ^{1,3} , Jin-Dong Song ^{1,3} , and Won Jun Choi ¹ <i>¹Center for Opto-Electronics Materials and Devices, KIST, ²Department of Physics, Inha University, ³Nanomaterials Science and Engineering, University of Science and Technology</i>
WP1-35	Ag Nanowire Ohmic Contact on p-GaAs SeungHo Han, Sunghyun Moon, Jaejin Lee, and Junseok Heo <i>Department of Electrical and Computer Engineering, Ajou University</i>



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WP1-36	Thermal Properties of Schottky Barrier Diode on AlGaIn/GaN Heterostructures on CVD Diamond Zin-Sig Kim, Hyung-Seok Lee, Sung-Bum Bae, Eunsoo Nam, and Jong-Won Lim <i>ICT Materials & Components & Research Laboratory, ETRI</i>
WP1-37	HRXRD Analysis of InP (cap) / InGaAs on InP Structure Interface Grown by MOCVD In-young Jung ^{1,3} , Minhyeok Choi ¹ , Hyeoksu Bea ² , Junoh Kim ² , Seungwoo Song ¹ , and Changsoo Kim ¹ <i>¹Division of Materials and Energy Measurement, KRISS, ²Division of Convergence Property Measurement, KRISS, ³Division of Physics, Hanyang University</i>
WP1-38	Investigation of Low-Budget Microwave Annealing Effect on Metal and Graphene Electrodes Eun-Ki Hong and Won-Ju Cho <i>Department of Electronic Materials Engineering, Kwangwoon University</i>
WP1-39	Transfer Length of an AlGaIn/GaN Schottky Contact Yong Woon Park ¹ , Jeong Jin Kim ² , and Jeon Wook Yang ¹ <i>¹Department of Semiconductor Science and Technology/Semiconductor Physics Research Center, Chonbuk National University, ²Compound Semiconductor Division, ETRI</i>
WP1-40	P-Floating Shield 구조적용을 통한 4H-SiC Trench Gate Oxide E-Field 분산 최적화 설계 Young sung Hong, Tae jin Nam, Myoung hwan Lee, Tai young Kang, and Sin su Kyoung <i>Research and Development, Powercubesemi Inc.</i>
WP1-41	Fabrication of Ultra-Low Dit(E) InGaAs MOSFETs Seong Kwang Kim ^{1,2} , Jae-Phil Shim ¹ , Dae-Myeong Geum ^{1,3} , Chang Zoo Kim ⁴ , Han-Sung Kim ¹ , Jin-Dong Song ¹ , Sung-Jin Choi ² , Dae Hwan Kim ² , Won Jun Choi ¹ , Hyung-jun Kim ¹ , Dong Myong Kim ² , and SangHyeon Kim ¹ <i>¹KIST, ²School of Electrical Engineering, Kookmin University, ³Department of Materials Science and Engineering, Seoul National University, ⁴KANC</i>
WP1-42	내부 BVIA가 있는 GaN HEMT 소자를 이용한 모델링 및 MMIC 설계 김성일 ^{1,2} , 임종원 ² , 이기준 ¹ <i>¹충남대학교 전자전파정보통신공학과, ²한국전자통신연구원 ICT소재부품연구소 RF/전력부품연구그룹</i>
WP1-43	Analysis of 4H-SiC Super Junction Bipolar Transistor for Superior Switching Characteristic Dongwoo Bae and Kwangsoo Kim <i>Department of Electronic Engineering, Sogang University</i>
WP1-44	Improved SiO₂/SiC Interface Properties of 4H-SiC MOS Capacitor by Using O₂/H₂O Re-Oxidation Chungbu Jeong and Kwangsoo Kim <i>Department of Electronic Engineering, Sogang University</i>



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WP1-45	28GHz MMIC Power Amplifier based on 0.15um GaN HEMT Technology 강동민, 김해천, 지홍구, 김성일, 민병규, 안호균, 임종원 <i>한국전자통신연구원 RF/전력부품연구그룹</i>
WP1-46	Effect of Post-Metallization Annealing on 4H-SiC Metal-Oxide-Semiconductor with Mo Gate Electrode Jae-Gil Lee ¹ , Dong-Hwan Kim ¹ , Su-Keun Eom ¹ , Seung-Hyung Roh ¹ , Hyun-Seop Kim ² , Ho-Young Cha ² , and Kwang-Seok Seo ¹ <i>¹Department of Electrical and Computer Engineering, Seoul National University, ²School of Electronic and Electrical Engineering, Hongik University</i>
WP1-47	The Influence of GaN Capping Layer on Pt-Functionalized FET-Type AlGaIn/GaN Hydrogen Gas Sensor Guhyeok Chung, Dongmin Keum, and Hyungtak Kim <i>Department of Electronic and Electrical Engineering, Hongik University</i>
WP1-48	Analysis of Arch Junction Termination Extension for 4H-SiC Schottky Diode with Superior Breakdown Voltage Jaeyoung Yu, Sangjin Gang, Dongwoo Bae, Chungbu Jeong, and Kwangsoo Kim <i>Department of Electronic Engineering, Sogang University</i>
WP1-49	ZnO Nanorods 성장을 통해 향상된 광량을 갖는 u-LED Array 홍인열, 이재혁, 소재봉, 김태경, 조성민, 곽준섭 <i>순천대학교 인쇄전자공학과</i>
WP1-50	Recessed AlGaIn/GaN-on-Si MIS-HFET Fabricated Using PECVD SiON Gate Insulator with Forming Gas Annealing Hyun-Seop Kim ¹ , Su-Keun Eom ² , Dong-Hwan Kim ² , Won-Ho Jang ¹ , Il-Hwan Hwang ² , Kwang-Seok Seo ² , and Ho-Young Cha ¹ <i>¹School of Electronic and Electrical Engineering, Hongik University, ²Department of Electrical Engineering and Computer Science, Seoul National University</i>
WP1-51	육방 밀집형 나노 채널 구조를 이용한 GaN 기반 소자의 전극 특성 평가 김정진 ¹ , 이형석 ¹ , 문재경 ¹ , 안호균 ¹ , 장성재 ¹ , 민병규 ¹ , 양전욱 ² , 김지현 ³ , 양진모 ³ , 임종원 ¹ <i>¹한국전자통신연구원, ²전북대학교 반도체화학공학부, ³국방과학연구소</i>
WP1-52	Comparative Study of Normally-Off Al₂O₃/AlGaIn/GaN MIS-HEMTs Fabricated by Gate Recess and F-Treatment Hyun-Wook Jung ¹ , Min-Jeong Shin ¹ , Sung-Jae Chang ¹ , Jae-Won Do ¹ , Kyu-Jun Cho ¹ , Ho-Kyun Ahn ¹ , Byoung-Gue Min ¹ , Haecheon Kim ¹ , Hyung Sup Yoon ¹ , Ji-Heon Kim ² , Jin-Mo Yang ² , and Jong-Won Lim ¹ <i>¹RF/Power Component Research Group, ETRI, ²Agency for Defense Development</i>
WP1-53	Buffer Trap Extraction in AlGaIn/GaN HFETs Using a Simple Test Device Min-Jae Park and Hyuck-In Kwon <i>School of Electrical and Electronics Engineering, Chung-Ang University</i>



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WP1-54	전원시스템의 효율과 스위칭용 전력소자 성능과의 상관관계 분석 장현규, 김민기, 정동윤, 이현수, 박준보, 전치훈, 고상춘, 박종문, 임종원 <i>한국전자통신연구원 ICT소재부품연구소 융합부품기술센터</i>
WP1-55	AlGaIn/GaN HFET with Tunneling Schottky Source Electrode Won-Ho Jang, Sang-Woo Han, Hyun-Seop Kim, Min-Gi Jo, June-Heang Choi, and Ho-Young Cha <i>School of Electrical and Electronic Engineering, Hongik University</i>
WP1-56	Mechanical Stress Effects on Device Properties in GaN-Based HEMTs S.-J. Chang, H.-W. Jung, M. J. Shin, J.-W. Do, K. J. Cho, H. S. Yoon, B.-G. Min, H. Kim, and J.-W. Lim <i>RF/Power Convergence Component Research Group, ETRI</i>
WP1-57	Effects of Substrate Bias Voltage on GaN Power FET Characteristics Min-Gi Jo, Sang-Woo Han, and Ho-Young Cha <i>School of Electrical and Electronic Engineering, Hongik University</i>
WP1-58	Ohmic Contacts with Recess-Etched and TMAH-Treated Nanometer-Scale Patterns for Improved Performance and Reliability in AlGaIn/GaN HEMTs Jae-Won Do, Hyun-Wook Jung, Min Jeong Shin, Kyu-Jun Cho, Sung-Jae Chang, Ho-Kyun Ahn, Haechon Kim, Byoung-Gue Min, Hyung Sup Yoon, and Jong-Won Lim <i>RF/Power Convergence Components Research Group, ETRI</i>
WP1-59	Reduction of Off-State Drain Leakage by Employing PEALD SiN_x on RF Non-Recessed MIS-HEMTs Jun-Seok Jeong and Kwang-Seok Seo <i>Electrical Engineering and Computer Science, Seoul National University</i>
WP1-60	1/f Noise Characteristics of Gate-All-Around (GAA) GaN Lateral Nanowire Transistors Sindhuri Vodapally ¹ , M. Siva Pratap Reddy ¹ , Ki-Sik Im ^{1,2} , and Jung-Hee Lee ¹ <i>¹School of Electronics Engineering, Kyungpook National University, ²Institute of Semiconductor Fusion Technology, Kyungpook National University</i>
WP1-61	Flexible AlGaIn/GaN HFET 소자의 Negative Differential Conductance 원인 규명 및 개선에 관한 연구 조문욱 ¹ , 김태경 ¹ , 오승규 ² , 곽준섭 ¹ <i>¹순천대학교 인쇄전자공학과, ²휴스턴대학교 기계공학과</i>
WP1-62	High Electron Mobility Transistor의 Pad 구조 변화에 따른 방열 특성 연구 이재민, 이동규, 김태경, 조문욱, 차유정, 곽준섭 <i>순천대학교 인쇄전자공학과</i>



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WP1-63	Field Plate Effects on β-Ga₂O₃ Vertical Schottky Barrier Diode June-Heang Choi, Won-Ho Jang, Jong-Ik Kang, Jae-Ho Eum, and Ho-Young Cha <i>School of Electronic and Electrical Engineering, Hongik University</i>
WP1-64	Study on Low-Frequency Noise Characteristics of AlGaIn/GaN HEMTs Jun-Hyeok Lee, Ki-Sik Im, Vodapally sindhuri, Jeong-Gil Kim, Seung-Hyeon Kang, Jung-Min Ju, Yong-Soo Lee, and Jung-Hee Lee <i>School of Electronics engineering, Kyungpook National University</i>
WP1-65	Suppression of Trapping Effects in AlGaIn/GaN HEMTs with Periodically Carbon Doped GaN Buffer and AlGaIn Back-Barrier Structure Jung-MinJu ¹ , Jun-Hyeok Lee ¹ , Gokhan Atmaca ² , Jeong-Gil Kim ¹ , Ryun-Hwi Kim ¹ , Seung-Hyeon Kang ¹ , and Jung-Hee Lee ¹ <i>¹School of Electronics Engineering, Kyungpook National University, ²Department of Physics, Faculty of Science, Gazi University</i>
WP1-66	Photosensitive Inverters with Full-Swing Characteristics based on Multi-Layered MoS₂ Load and GaN Driver Transistors Seung Gi Seo ¹ , Won Tae Jang ¹ , Seong Chan Kim ¹ , Sang-Woo Han ² , Ho Young Cha ² , and Sung Hun Jin ¹ <i>¹Department of Electronic Engineering, Incheon National University, ²School of Electronic and Electrical Engineering, Hongik University</i>
WP1-67	Temperature-Dependent Characteristics of GaN Vertical Nanowire Transistor Dong-Hyeok Son, Quan Dai, Chul-Ho Won, Jung-Gil Kim, Seung-Hyun Kang, and Jung-Hee Lee <i>School of Electronics Engineering, Kyungpook National University</i>
WP1-68	Improvement for Reducing Current Collapse in AlGaIn/GaN HEMT by the Cat-CVD SiN_x as Passivation Cheol-Hee Lee, Myoung-Jin Kang, and Kwang-Seok Seo <i>Department of Electrical and Computer Engineering and ISRC, Seoul National University</i>
WP1-69	Fabrication and Characteristics of GaN HEMT on SiC Device with Internal Backside Via-Hole in Active Region for MMIC Applications Byoung-Gue Min, Kyu-Jun Cho, Jong Min Lee, Seong-Il Kim, Hyung Sup Yoon, Haecheon Kim, Ho-Kyun Ahn, Hyun-Wook Jung, Sung-Jae Chang, Jae-Won Do, Min Jeong Shin, and Jong-Won Lim <i>RF/Power Components Research Group, ETRI</i>
WP1-70	Experimental and Theoretical Investigation of C_{inv} in In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As HEMTs Hyeon-Bhin Jo, Jung-Ho Park, Seung-Woo Son, Ji-Min Baekand, and Dae-Hyun Kim <i>School of Electronics Engineering, Kyungpook National University</i>
WP1-71	High Temperature Characterization and Analysis of GaN-on-Diamond FETs Hyung-Seok Lee, Zin-Sig Kim, Seong-Bum Bae, Eunsoo Nam, Jae-Kyoung Mun, Jeong-Jin Kim, and Jong-Won Lim <i>ICT Materials & Components & Research Laboratory, ETRI</i>



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WP1-72	Breakdown and Power Characteristics of GaN HEMTs with a Variation of Device Dimensions for S-band Applications Jong-Min Lee, Hae Cheon Kim, Yu-Jin Jang, Ho-Kyun Ahn, Jae-Won Do, Sang-Heung Lee, Dong Min Kang, and Jong-Won Lim <i>IT Materials and Components Laboratory, ETRI</i>
WP1-73	The Improvement of Pulsed Response on AlGaIn/GaN Schottky Barrier Diode by Applying Ar Plasma Densification Ra-Seong Ki ¹ , Ho-Young Cha ² , and Kwang-Seok Seo ¹ <i>¹Department of Electrical Engineering and Computer Science, Seoul National University, ²Department of Electronic and Electrical Engineering, Hongik University</i>
WP1-74	Scattering Mechanisms in In_{0.7}Ga_{0.3}As QW MOSFETs Sethu Merin George, Hyeon-Bhin Jo, Seung-Woo Son, and Dae-Hyun Kim <i>School of Electronics Engineering, Kyungpook National University</i>
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