

B-1 Nitride Process

Representative Organizer

Hideto MIYAKE (Mie University)

Co-organizers

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Kou MATSUMOTO (TAIYO NIPPON SANSO Corporation)

Poster Session March 28 (Sat.) 16:45 ~ 18:00

- 16:45 B1-P-01 **Radical Assisted Sputtering for GaN Seed Crystal of Na Flux LPE**
¹Atsushi Saito, ¹Toshihiro Suzuki, ¹Yasuhiko Akamatsu, ¹Noriaki Tani, ¹Kazuya Saito, ²Daisuke Matsuo, ²Mamoru Imade, ²Yusuke Mori
1 INSTITUTE OF SEMICONDUCTOR AND ELECTRONICS TECHNOLOGIES, ULVAC, INC.
2 GRADUATE SCHOOL OF ENGINEERING, OSAKA UNIVERSITY
- 16:45 B1-P-02 **Characteristics of High-Quality AlN Thick Gilm Grown on c-sapphire Substrates by HVPE Method**
¹Gang Seok Lee, ¹Hunsoo Jeon, ¹Chan Mi Lee, ¹Chan Bin Lee, ¹Sam Nyung Yi, ¹Min Yang, ¹Hyung Soo Ahn, ²Suck-Whan Kim, ³Young Moon Yu, ⁴Nobuhiko Sawaki
1 DEPARTMENT OF ELECTRONIC MATERIAL ENGINEERING, KOREA MARITIME AND OCEAN UNIVERSITY
2 DEPARTMENT OF PHYSICS, ANDONG NATIONAL UNIVERSITY
3 LED-MCT R&BD CENTER, PUKYONG NATIONAL UNIVERSITY
4 DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, AIT
- 16:45 B1-P-04 **Three Dimensional Selective Growth of Micro-AlGaIn/GaN Array Structures**
Seunghyun Lee, Hyungsoo Ahn, Min Yang
DEPARTMENT OF APPLIED SCIENCES, KOREA MARITIME AND OCEAN UNIVERSITY
- 16:45 B1-P-05 **Generation Behavior of Deep-Level Defects in Ar⁺-Irradiated GaN**
¹Yoshitaka Nakano, ¹Miao-Gen Chen, ¹Daisuke Ogawa, ¹Keiji Nakamura, ²Retsuo Kawakami, ³Masahito Niibe
1 CHUBU UNIVERSITY
2 THE UNIVERSITY OF TOKUSHIMA
3 UNIVERSITY OF HYOGO
- 16:45 B1-P-06L **Kinetic Modeling of Group-III Nitride MOCVD**
Chun-Jung Chen, Ta-Chin Wei
DEPARTMENT OF CHEMICAL ENGINEERING, CHUNG-YUAN UNIVERSITY
- 16:45 B1-P-07L **Properties of GaN and InGaIn Thin Films Grown on Non-Single-Crystalline Substrates by MBE Using Single or Dual Nitrogen Plasma Cells**
Yuichi Sato, Syota Ishizaki, Yoshifumi Murakami, Mohamad Idham, Nur Ain, Yuhei Muraki, Tatsuya Matsunaga
DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING, AKITA UNIVERSITY
- 16:45 B1-P-08L **Investigation on Sputter-Growths of In₂O₃ Based Under-Electrodes on a Sapphire Substrate for Group-III Nitride Solar Cells**
Yuhei Muraki, Syota Ishizaki, Yoshifumi Murakami, Yuichi Sato
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- 16:45 B1-P-09L **AlN Deposition on Polycrystalline AlN Substrates by Radical Enhanced Metal Organic Chemical Vapor Deposition**
Kazuki Iwamoto, Yi Lu, Osamu Oda, Kenji Ishikawa, Hiroki Kondo, Makoto Sekine, Masaru Hori
GRADUATE SCHOOL OF ENGINEERING, NAGOYA UNIVERSITY