Участие в конференции и семинари

на д-р Пенка Танова Терзийска,
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Участие в конференции:

1. Penka Terziyska, Blagoy Blagoev, Anna Szekeres, Dimiter Dimitrov and Vladimir Mehandzhiev, Spectroscopic Ellipsometry Study of AZO films grown by Atomic Layer Deposition, *European Materials Research Society conference (E-MRS) 2016 Fall Meeting, Symposium M, 19-22 Sept. 2016, Warsaw, Poland.*

2. E. Guziewicz, P. Terziyska , G. Łuka , T. A.Krajewski, E. Vlakhov, Electrical and ellipsometric study of undoped ZnO films, *European Materials Research Society conference (E-MRS) 2016 Fall Meeting, Symposium M, 19-22 Sept. 2016, Warsaw, Poland.*

3. K. Gesheva, M. Arvuzu,G. Bodurov T. Ivanova G. Niclasson, M. Iliev, T. Vlakhov, P. Terziyska, G. Pokirov, Y. Marinov, Optical, structural and electronic properties of sputter-deposited W-Mo oxide thin films, *INERA conference „Vapor Phase Technologies for Metal Oxide and Carbon Nanostructures", 6-8 July 2016, Velingrad, Bulgaria.*

4. Kr. Tzvetkova, I. Balchev, P. Terziyska, A. Szekeres , I. Miloushev, T. Tenev, T. Ivanova, S.Kolev, T. Milenov, S. Tinchev, Synthesis and characterization of thin amorphous carbon films on (001) Si substrates, *INERA conference „Vapor Phase Technologies for Metal Oxide and Carbon Nanostructures", 6-8 July 2016, Velingrad, Bulgaria.*

5. E. Radeva, D. Mitev, P. Terziyska, L. Peeva, PECVD Synthesis and Characterization of Thin Carbon Nanostructured Films, *INERA conference „Vapor Phase Technologies for Metal Oxide and Carbon Nanostructures", 6-8 July 2016, Velingrad, Bulgaria.*

6. B.S. Blagoev, E. Vlakhov, G. Łuka, M. Iliev, P. Terziyska, T.A. Krajewski, E. Guziewicz, Impedance investigations of $TiO_2/ZnO/Al_2O_3$ sandwich structures on Si substrate obtained by ALD, *INERA conference „Vapor Phase Technologies for Metal Oxide and Carbon Nanostructures", 6-8 July 2016, Velingrad, Bulgaria.*

7. P. Terziyska, B. Blagoev, A. Szekeres, D. Dimitrov, V. Mehandzhiev, Optical properties of ZnO films doped with Al, deposited by ALD: A Spectroscopic Ellipsometry Study, *INERA conference „Vapor Phase Technologies for Metal Oxide and Carbon Nanostructures", 6-8 July 2016, Velingrad, Bulgaria.*

8. P. Sveshtarov, V. Mehandzhiev, P. Terziyska, J. Leclercq, B. Blagoev and D. Dimitrov, The Growth of Graphene and Carbon Nanotubes: a Practical Application –Oriented Approach, *INERA conference „Vapor Phase Technologies for Metal Oxide and Carbon Nanostructures", 6-8 July 2016, Velingrad, Bulgaria.*

9. A. Paskaleva, D. Spasov, P. Terziyska, Electric and dielectric properties of Ga2O3 grown by MOCVD, *19th International School on Condensed Matter Physics Aug.28th -Sept.2nd, Varna, Bulgaria.*

10. P. Terziyska "InN nanowires grown from metal-rich conditions by Migration Enhansed Afterglow growth technique", *INERA Workshop on Laser and Plasma Matter Interaction, 18-20 Nov.2015, Plovdiv, Bulgaria.*

11. L. Duta, A. C. Popescu, C. Popescu, B. Bita, A. Husanu, C. Himcinschi, G. E. Stan, V. Craciun, P. Terziyska, A.Szekeres,"Structural and mechanıcal properties of DLC coatıngs synthesized by pulsed laser deposition", *European Materials Research Society conference (E-MRS) 2015 Fall Meeting, Symposium F: Materials and coatings for extreme environments.*

12. M. Duta, L.Predoana, S.Preda, P.Osiceanu, M.Nicolescu, M.Gartner, M.Zaharescu, S. Simeonov, D. Spasov, P.Terziyska, A. Szekeres,"Electrical properties of sol-gel TiO2 multilayers films doped with transitional metals", *European Materials Research Society conference (E-MRS) 2015 Fall Meeting, Symposium G: Transparent conductive materials: from fundamental understanding to applications.*

13. M. Milanova , P. Vitanov , P. Terziyska, G. Koleva , C. Barthou and B. Clerjaud, „Study of LPE Grown Dilute Nitride GaInAsN Layers with Small Concentration of Nitrogen by PL and Hall Effect Measurements", *Националната научна конференция по физика – Пловдив, 10-12 октомври 2014.*

14. P. Terziyska, K. Scott A. Butcher, P. Rafailov, H. Shen, A. Kitai and D. Alexandrov, Self-catalytic growth of InN nanorods*, 16th International Workshop on Nanoscience and Nanotechnology NANO 2014, 7-8 November 2014, Sofia, Bulgaria*

15. Kenneth S.A. Butcher, R.Gergova, D. Alexandrov, V. Georgiev, D.Georgieva, P. Terziyska, P.W. Binsted and G. Togtema, A 2-D Hole Gas is Confirmed for Super-Luminescent n-Ino.30Gao.70N/p-GaN, *10th International Conference on Nitride Semiconductors (ICNS-10), 25-30 Aug. 2013, Washington, DC, USA.*

16. D. Alexandrov, Kenneth S.A. Butcher, P. Terziyska, R.Gergova, P.W. Binsted, D.Georgieva, and V. Georgiev, Nano-Layers of nitride Semiconductors grown by MEAglow: Epitaxial technology and their Nano-Dimensional Optical Properties, *10th International Conference on Nitride Semiconductors (ICNS-10), 25-30 Aug. 2013, Washington, DC, USA.*

17. Kenneth S.A. Butcher, D. Alexandrov, P. Terziyska, R.Gergova, V. Georgiev, D.Georgieva, P.W. Binsted, Ga-face GaN and Simple LEDs Grown at Less than 600 Degrees C Using the MEAglow Technique, *ISSLED 2012, Berlin, July 12'th - 27'th*

18. M. Milanova, P. Vitanov, P. Terziyska, G. Popov, G. Koleva,Nitrogen incorporation into GaAsN and InGaAsN layers grown by Liquid-Phase-Epitaxy, *E-MRS Strasbourg, 2012.*

19. Dimiter Alexandrov, Kenneth Scott Butcher, P. Terziyska, Rositsa Gergova, Peter Binsted, Dimka Georgieva, Vasil Georgiev, Brad Kemp, "Nano-layers of nitride semiconductors grown by MEAGlow epitaxial technology and their low-dimensional optical properties", *4th International Symposium on Growth of III-Nitrides July 16-19, 2012, St. Petersburg, Russia.*

20. K. S. A. Butcher, P. Terziyska, D. Alexandrov, V. Georgiev, D. Georgieva, P. W. Binsted, T. Menkad and R. Gergova, "Migration Enhanced Afterglow Growth of GaN at Low Temperatures", *4th International Symposium on Growth of III-Nitrides July 16-19, 2012, St. Petersburg, Russia.*

21. P. Terziyska, K. Scott A. Butcher and D. Alexandrov, Atomic Force Microscopy Study of GaN on Sapphire Growth by MEAglow MOCVD, *International Conference on Nitride Semiconductors (ICNS-9), Glasgow, UK, July 15, 2011. (Award for poster presentation received)*

22. K. Scott A. Butcher, D. Alexandrov, P. Terziyska, V. Georgiev and D. Georgieva, "Initial experiments in the migration enhanced afterglow growth of gallium and indium nitride" *9th International Conference on Nitride Semiconductors (ICNS-9), July 15, 2011.*

23. D. Alexandrov, K. Scott A. Butcher, P. Terziyska, "Nano-structural effects in thin epitaxial films of gallium nitride", *6th Symposium on Functional Coatings and Surface Engineering, Montreal, Canada, June 5-8, 2011.*

24. K. S. A. Butcher, D. Alexandrov, P. Terziyska, Migration enhanced afterglow thin film growth of nitride semiconductor films, *6th Symposium on Functional Coatings and Surface Engineering, Montreal, Canada, June 5-8, 2011.*

25. D. Alexandrov, S. Butcher, P. Terziyska, R. Gergova, P. Binsted, V. Georgiev, D. Georgieva, Optical Nano-Effects in Thin Epitaxial Layers of Gallium Nitride, *9th International Symposium on Semiconductor Light Emitting Devices (ISLED-2012), July 22nd- 27th 2012, Berlin, Germany.*

26. K. S. A. Butcher, D. Alexandrov, P. Terziyska, R. Gergova, V. Georgiev, D. Georgieva, P. W. Binsted, "Ga-face GaN and Simple LEDs Grown at Less than 600 Degrees C Using the MEAglow Technique" , *9th International Symposium on Semiconductor Light Emitting Devices (ISLED-2012), July 22nd- 27th 2012, Berlin, Germany.*

27. D. Alexandrov, K. S. A. Butcher, P. Terziyska, Electron Effective Mass in 2-D Clusters of Nitride Semiconductors, *E-MRS 2011 Spring&Bilateral.*

28. K. S. A. Butcher, P. Terziyska, D. Alexandrov, Nitride Film Growth by Migration Enhanced Afterglow (MEAglow), 2011, *Electronic Materials Conference.*

29. P. W. Binsted, K. S. A. Butcher, D. Alexandrov, P. Terziyska, D. Georgieva, R. Gergova and V. Georgiev, InN on GaN Heterostructure Growth by Migration Enhanced Epitaxial Afterglow (MEAGlow), *2011 MRS Fall Meeting.*

30. Milanova M., Kakanakov R., and Terziyska P., High efficiency solar cells for concentrated solar radiation on the base of A3B5 heterostructures, *The 3th National Conference in Renewable Sources (October 24-25, 2003), Sofia, Bulgaria.*

31. Terziyska P., Blanc C., Pernot J., Contreras S., Robert J-L., Camassel J., Morvan E., Dua C., and Brylinski C., Evaluation de structures MESFET sur la base de mesures d'Effet Hall en température, *Rencontre Franco-Espagnole sur la Chimie et la Physique de l'Etat Solide, Sant Foliu de Guixols, 20-23 Mars 2002.*

Участие в семинари:

1) Среща по „Нанофотоника: нова оптична апаратура в ИФТТ- БАН“, 27.11.2014, Интер Експо Хотел, София. Направих презентация на новия елипсометър Woollam M2000D.

2) Изнесох семинар на тема "Характеризиране и израстване на наножички от InN по метода MEAglow", 05.12.2014, ИФТТ-БАН, София.

3) Участвах при инсталирането на елипсометъра, както и в двудневен курс на обучение за работа с него, проведен от инж. Inga Potch, LOT Quantum Design, Darmstadt, Germany

4) INERA Training seminar (14 – 15 July, 2015, Sofia, Bulgaria) on modern techniques (ALD and PECVD) for thin layer deposition for nanoelectronics applications.

5) INERA Training seminar (21 – 22 July, 2015, Sofia, Bulgaria) on Advanced technologies and methods for characterization of multifunctional thin films and nanostructures.

6) INERA Round Table (November 23th, 2015, Sofia, Bulgaria): A strategy for effective usage of the scientific potential of the Institute of Solid State Physics – BAS (Oral presentation of Woollam M2000D spectroscopic ellipsometer)

7) Training seminar (27-29 October 2015, Sofia, Bulgaria) on INERA delivered Equipment: Technologies and characterization methods, Part 3.

8) Training seminar (29 October to 01 September 2015, Sofia, Bulgaria) on INERA delivered Equipment: Technologies and characterization methods, Part 3.

9) CompleteEASE Ellipsometry Data Analysis training, 07– 09.10.2015, LOT-QuantumDesign GmbH, Darmstadt, Germany.

10) Training seminar (18-19 May, 2016, Sofia, Bulgaria) on INERA Supplied Characterization Techniques, Utilization and Limitations: Oral Presentation – “Spectroscopic ellipsometry for thin film characterization”.