Prof. Dr. Bashkim Ziberi

Office:
[1]University of Tetova
Ilinden street nn, 1200
Tetova, R. of North Macedonia
Tel: +389 (0)76295395
E-Mail: bashkim.ziberi@unite.edu.mk
http://www.unite.edu.mk

Privat:
Radiovce
1213 Tetova
R. of North Macedonia
Tel: +389 (0)76 295395
E-Mail: bziberi@gmail.com

[2]Harvard Global Health Catalyst
e-mail: bashkim_ziberi@dfci.harvard.edu
http://www.ghcuniversity.org

Birth date/place:	11.09.1974 in Radiovce, Tetovo (Republic of North Macedonia)
Nationality:	Albanian
Citizenship:	Republic of North Macedonia
Marital status:	married, three children

Education:

1989-1993	Secondary school “Gymnasium” in Tetova (Macedonia)
10/1993-08/1998	Physics studies at the University of Tirana (Albania) in the group „Engineering Physics“ (5 years)
04/1999-07/2001	Master of Science studies in Physics at the University of Leipzig
5/2002-11/2006	Ph.D. degree in Experimental Physics, University of Leipzig, Germany

DISSERTATION: "Ion Beam Induced Pattern Formation on Si and Ge surfaces"
Advisor: Prof. Dr. Bernd Rauschenbach

Scientific and Professional Activities:

06/2001-04/2002	Scientific employee at the Faculty of Physics and Earth Sciences, University of Leipzig Participated in a feasibility study project (15327/01/NL/NB), supported by the European Space Agency ESA, for the in-situ Observation of synthesis processes in Zeolites with the ultrasound method.

05/2002-08/2010	Scientific employee at the Leibniz-Institut für Oberflächenmodifizierung e. V. Leipzig, Germany
08/2007-08/2010	Principal investigator, "Controlled self-organization during low-energy ion beam erosion on Si surfaces by pre-patterning" financed by DFG, research unit FOR 845.
2011-12/2016	Coordinator from the State University of Tetova in the Network "Material Science and Technology" financed by DAAD
From 2012 -	Co-organizer of the multidisciplinary (covering natural, medical, social, Human, Law and engineering sciences as well as public health and education), Annual conferences of the Alb-Science Institute (www.alb-shkenca.org) in Skopje, Tirana and Prishtina.
09/2018 – 06/2019	Fulbright Scholar, Brigham and Women's Hospital, Dana-Farber Cancer Institute, Harvard Medical School
From 05/2018 -	Member of the organizing committee of the yearly Global Health Summit.
From 09/2018 -	Adjoint researcher at Dana-Farber Cancer Institute, Harvard Medical School
10/1998-04/1999	Teaching Assistant at the University of Tetovo (Macedonia)
10/2009-07/2010	Part-time assistant professor at the Physics department, State University of Tetova (SUT), and adviser for international relations of the Rector of SUT.
From 07/2010	Professor at the Physics department, Faculty of Mathematics and Natural Sciences, State University of Tetova (SUT).
01/2011-11/2016	Head of the Physics department at SUT.
From 10/2012	Head of the Natural Sciences Section at the Institute Alb-Shkenca.
03/2014-07/2017	Head of Office for Scientific Research and Innovation at the State University of Tetova
06/2014	Elected as Associate Professor at the State University of Tetova
02/2020	Elected as full time Professor at the University of Tetova

Visiting guest:

05/2005 and 12/2005	Short Research stay at the ESRF (European Synchrotron Radiation Facility) Grenoble, France
04/2007	Short Research stay (one Week) at NSLS (National Synchrotron Light Source), Brookhaven National Laboratory, Long Island, USA
10/2010-07/2014	Visiting professor at the University "Aleksander Xhuvani" in Elbasan, Albania

Awards

06/2004	Young Scientist Award of the European Materials Research Society, E-MRS, for the work on ion beam induced self-organization on semiconductor surfaces.
06/2005	348. WE-Heraeus Seminar Poster Prize sponsored by the "Wilhelm und Else Heraeus – Stiftung" during the Wilhelm und Else Heraeus-Seminar on "Ions at Surfaces: Patterns and Processes", 06/2005.
11/2007	Award winner in the Engineer, Mathematics and Natural Sciences Section of the Leibniz Society.

Membership:

Member of the German Physic Society (DPG).
Member of the Institute Alb-Shkenca.
Member of the European Physics Society.
Member of the Macedonian Society of Physicists.

Languages: Albanian (mother tongue),
English, excellent in writing, reading and speaking.
German, excellent in writing, reading and speaking
Macedonian, excellent in writing, reading and speaking

Teaching Experience:
- Bachelor studies: Medical Physics, **General Physics, Physics of Materials, Introduction to Nanotechnology**
- Master studies: Experimental methods in Physics, Scientific research methodology, Physics of thin films

Research Experience:

- Material Science
- Condensed matter Physics
- Ion beam technology
- Analytical (AFM, SEM, TEM, small angle GISAX, GID) methods
- Nanotechnology and Bio-nanotechnology
- Ion induced Surface engineering of different materials
- Medical Physics
- Radiation Oncology
- Global Health

Referee on different scientific Journals:
•Applied Physics Letters; •Material Research Society Proceedings; •Applied Surface Sciences; •Journal of Applied Physics; •Journal of Physics D: Applied Physics; •Journal of Electron Spectroscopy and Related Phenomena; •Journal of Physics: Condensed Matter, Journal of Vacuum Science and Technology A.

Other Activities

- Participation on different projects at DFG (Deutsche Forschungsgemeinschaft), fp7, TEMPUS, DAAD, and the Ministry of Education and Science of Macedonia.

- Participation at the 2001 World Industrial Fair in Hannover with an experiment at the ESA (European Space Agency) stand.

- Organizer of the Summer School in the frame of the network "Material Science and Technology", 05.09.-16.09.2011 and 11.07.-22.7.2016, State University of Tetova.

09/2012-06/2017 – High school Physics Teacher at the Woodrow Wilson School in Tetovo.

01/2015 – 08/2017 – Member of the Program committee "Research infrastructure" at HORIZON2020 framework program, Brussels

From 09/2017 – 10/2020 - Member of the RTD NMP Program committee at HORIZON2020, Brussels

04/2016-09/2019 – Member of the Accreditation and Evaluation board of the Republic of Macedonia

From 2016 – Evaluator of CEEPUS projects under European Research Area.

From 2019 – Member of the governing Board of the Global Oncology University, www.ghcuniversity.org.

From 09/2019 – Executive board member of the Macedonian American Alumni Association-MAAA.

2019-2021 – member of the Fulbright scholar interview panel.

From 2019 – Member of the governing body of NanoAlb section of the Academy of Sciences of Albania.

From 2017 – Governing body of STEMLab for training and education (www.stemlab.org.mk).

From 2022 – Member of the Working Group on site selection of the SEEIIST project (www.seeiist.eu)

From 10/2022 – Member of the association board of SEEIIST project.

List of Publications and conference participations

Publications:

1. *Ion beam assisted smoothing of optical surfaces*
   F. Frost, R. Fechner, D. Flamm, B. Ziberi, W. Frank, A. Schindler
   Applied Physics A **78**: Materials Science & Processing, 651 (2004)
2. *The shape and ordering of self-organized nanostructures by ion sputtering*
   F. Frost, B. Ziberi, T. Höche, B. Rauschenbach
   Nuclear Instruments & Methods B **216**, 9 (2004)
3. *Large area smoothing of optical surfaces by low-energy ion beams*
   F. Frost, R. Fechner, B. Ziberi, D. Flamm, A. Schindler
   Thin Solid Films **459**, 100 (2004)
4. *Importance of ion beam parameters on self-organized pattern formation on semiconductor surfaces by ion beam erosion*;
   B. Ziberi, F. Frost, H. Neumann, B. Rauschenbach
   Thin Solid Films **459**, 106 (2004)
5. *Highly ordered self-organized dot patterns on Si surfaces by low-energy ion beam erosion*

B. Ziberi, F. Frost, B. Rauschenbach, T. Höche
Applied Physics Letters **87**, 033113 (2005)

6. *Ripple pattern formation on silicon surfaces by low-energy ion-beam erosion: Experiment and theory*
B. Ziberi, F. Frost, T. Höche, B. Rauschenbach
Physical Review B **72**, 235310 (2005)
7. *Dot pattern formation on Si surfaces by low-energy ion beam erosion*
B. Ziberi, F. Frost, T. Höche, B. Rauschenbach
in *Kinetics-Driven Nanopatterning on Surfaces,* edited by Eric Chason, George H. Gilmer, Hanchen Huang, and Enge Wang (Mater. Res. Soc. Symp. Proc. **849**, Warrendale, PA , 2005), KK 6.2.
8. *Ion beam sputter deposition of soft x-ray Mo/Si multilayer mirrors*;
E. Schubert, F. Frost, B. Ziberi, G. Wagner, H. Neumann, B. Rauschenbach
Journal of Vacuum Science & Technology B **23**, 959 (2005)
9. *In situ diagnostics of zeolite crystallization by ultrasonic monitoring*
R. Herrmann, W. Schwieger, O. Scharf, C. Stenzel, H. Toufar, M. Schmachtl, B. Ziberi, W. Grill
Microporous and Mesoporous Materials **80**, 1 (2005)
10. *Pattern transitions on Ge surfaces during low-energy ion beam erosion*
B. Ziberi, F. Frost, B. Rauschenbach

Applied Physics Letters **88**, 173115 (2006)

11. *Self-organized dot patterns on Si surfaces during noble gas ion beam erosion*
B. Ziberi, F. Frost, B. Rauschenbach
Surface Science **600**, 3757 (2006)
12. *Low-energy ion bombardment induced nanostructures on surfaces*
B. Ziberi, F. Frost, B. Rauschenbach
Vacuum **81**, 155 (2006)
13. *Formation of large-area nanostructures on Si and Ge surfaces during low-energy ion* beam erosion
B. Ziberi, F. Frost, B. Rauschenbach
Journal of Vacuum Science & Technology A **24**, 1344 (2006)
14. *Ripple rotation, pattern transitions and long range ordered dots on Silicon by ion beam erosion*
B. Ziberi, F. Frost, M. Tartz, H. Neumann, and B. Rauschenbach
Applied Physics Letters, **92** 063102 (2008)
15. Surface engineering with ion beams: from self-organized nanostructures to ultra-smooth surfaces
F. Frost, B. Ziberi, A. Schindler, B. Rauschenbach,
Appl. Phys. A **91** 551-559 (2008)
16. *Highly ordered nanopatterns on Ge and Si surfaces by Ion beam sputtering*
B Ziberi, M Cornejo, F Frost, and B Rauschenbach
J. Phys.-Condens. Mat., 21 (2009) 224003.
17. Large area smoothing of surfaces by ion bombardment: Fundamentals and applications
F. Frost, R. Fechner, B. Ziberi, J. Völlner, D. Flamm, and A. Schindler
J. Phys.-Condens. Mat., 21 (2009) 224026.
18. Ion-induced nanopatterns on semiconductor surfaces investigated by grazing incidence x-ray scattering techniques
D. Carbone, A. Biermanns, B. Ziberi, F. Frost, O. Plantevin, U. Pietsch, T. H. Metzger
J. Phys.: Condens. Matter 21 (2009) 224007.
19. Investigation of Nucleation and Phase Formation of Photocatalytically Active TiO2 Films by MePIII&D
A. Gjevori, K. Nonnenmacher, B. Ziberi, D. Hirsch, J.W. Gerlach, T. Höche, D. Manova, S. Mändl, Nucl. Instrum. Meth. B 267 (2009) 1658-1661.
20. *Importance of internal ion beam parameters on the self-organized pattern formation with low-energy broad beam ion sources*

Marina I. Cornejo, Bashkim Ziberi, Michael Tartz, Horst Neumann, Frank Frost, Bernd Rauschenbach
Paper Nr. 1181-DD13-13, MRS Spring Meeting, San Francisco, USA, 13.-17.04. (2009)

21. *Low-energy ion beam sputtering of pre-patterned fused silica surfaces*
J. Völlner, B. Ziberi, F. Frost, B. Rauschenbach
Paper Nr. 1181-DD13-15, MRS Spring Meeting, San Francisco, USA, 13.-17.04. (2009)
22. *Is keV ion induced pattern formation on Si(001) caused by metal impurities?*
S. Macko, F. Frost, B. Ziberi, D. F. Förster, T. Michely
Nanotechnology 21, (2010) 085301.
23. Phase Formation of Photocatalytically Active TiO_2 Thin Films By MPIIID
A. Gjevori, K. Nonnenmacher, D. Manova, B. Ziberi, D. Hirsch, J. Gerlach, S. Mändl, Proc. IVth International Meeting of the Institute Alb-Science, AKTET-Journal of Institute Alb-Science, International Annual Meetings, Vol. III Nr. 2, ISSN 2073-2244, Tetovo, 30.8-2.9. (2010) 157-161.
24. Measurement of nanopatterned surfaces by real and reciprocal space techniques
P. Siffalovic, K. Vegso, M. Jergel, E. Majkova, J. Keckes, G. A. Maier, M. Cornejo, B. Ziberi, F. Frost, B. Hase, J. Wiesmann
Meas. Sci. Rev 10 (2010) 153-156
25. Self-organized patterning on Si(001) by ion sputtering with simultaneous metal incorporation
M. Cornejo, B. Ziberi, Ch. Meinecke, D. Hirsch, J. W. Gerlach, Th. Höche, F. Frost, B. Rauschenbach
Appl. Phys. A 102 (2011) 593-599.
26. Topography evolution mechanism on fused silica during low-energy ion beam sputtering
J. Völlner, B. Ziberi, F. Frost, B. Rauschenbach
J. Appl. Phys. 109 (2011) 043501
27. GISAXS and AFM study of self-assembled Fe2O3 nanoparticles and Si nanodots
A. Ulyanenkov, J. Chrost, P. Siffalovic, L. Chitu, E. Majkova, E. Majkova, H. Guerault, G. Maier, M. Cornejo, B. Ziberi, F. Frost
Phys. Status Solidi A 208 (2011) 2619.
28. Formation of two ripple modes on Si by ion erosion with simultaneous Fe incorporation
M. Cornejo, B. Ziberi, C. Meinecke, F. Frost
Appl. Surf. Sci. 257 (2011) 8659-8664.
29. *Pattern formation on Ge by low energy ion beam erosion*
Marc Teichmann, Jan Lorbeer, Bashkim Ziberi, Frank Frost and Bernd Rauschenbach
New Journal of Physics 15 (2013) 103029
30. *Extreme X-ray beam compression for a high-resolution table-top grazing-incidence smallangle X-ray scattering setup*
Matej Jergel, Peter Šiffalovič, Karol Végsö, Eva Majková, Dušan Korytár Zdenko Zápražný, Jan Perlich, Bashkim Ziberi, Marina Cornejo, Patrik Vagovic
Journal of Applied Crystallography 46(6), 2013.
31. *The application of spectroscopic technique for the studying of controlled release of 2,4-d herbicide from AAm/DMAEMA/DEG hydrogels*
Naim Mahmudi, Stojan Rendevski, Bashkim Ziberi
AKTET, Journal of Institute Alb-Shkenca, Vol.VIII, Nr.1, 2015, Tirana, Prishtina, Skopje.
32. *The use of smart components and systems in building constructions and architectural Applications*
Adhurim Hoxha, Altin Gjevori, Bashkim Ziberi, Journal of Applied Sciences-SUT, 1, 1-2, 2015.
33. *Influence of auxiliary plasma source on thin films growth by MEPIIID*
Altin Gjevori, Adhurim Hoxha, Neset Izairi, Bashkim Ziberi, Journal of Applied Sciences-SUT, 1, 1-2, 2015.
34. *Studimi i vetive mekanike të materialeve nanostrukturore me anë të deformimeve të forta plastike*
Neset Izairi, Fadil Ajredini, Bashkim Ziberi, Muhamed Shehabi, Aferdita Veveçka-Priftaj,

Mimoza Ristova, Journal of Natural Sciences and Mathematics of UT, 1, 1-2, 2016.

35. *Real and virtual experiments for better understanding electrical capacity*
Fadil Ajredini, Neset Izairi, Bashkim Ziberi, Oliver Zajkov,
Journal of Natural Sciences and Mathematics of UT, 4, 7-8, 2019.
36. *Hydration processes in Calcium Sulfoaluminate (CSA) and Calcium Sulfoaluminate - belite (CSAB) cements*
Ramadan Aliti, Thomas A. Bier, Bashkim Ziberi, Elsa Qoku, Mimoza Ristova
Journal of Natural Sciences and Mathematics of UT, 4, 7-8, 2019.
37. *Physical properties and infrared characterization of honeys from western Macedonia*
Riste Popeski-Dimovski, Labinot Useini, Naim Mahmudi, Bashkim Ziberi, Ahmed Jashari, Fatos Ylli, Lotar Kurti
Journal of Natural Sciences and Mathematics of UT, 4, 7-8, 2019.
38. *Comparison of mechanical properties of Gipsum with and without Polypropylene fibers*
Xheneta Zengo, Bashkim Ziberi, Naim Syla
International Journal of Computational and Experimental Science and Engineering, 7, 2, 2021.
39. *Physical Properties of the Binary Mixtures of Ethanol + Benzene and Ethanol + Pyridine at Five Temperatures under Atmospheric Pressure*
F. Aliaj, A. Gjevori, N. Syla, N. Elezaj, B. Ziberi, and B. Dalipi
Acta Physica Polonica A, 137, 4, 2020.
40. *Abscopal Effect of Partial Versus Whole Tumor Irradiation With Anti-CD40 in Pancreas and Lung Tumor Mouse Models*
S. Yasmin-Karim, B. Ziberi, E. Mueller, N. Bieh, M. Moreau, V. Ainsworth, M.D. Chuong, D. E. Kozmo, W. Ngwa
International Journal of Radiation Oncology, Biology, Physics, Volume 108, Issue 3, e550, 2020.
41. *Smart Radiotherapy biomaterials for combining Radiotherapy and immunotherapy with image-guided radiotherapy and drug delivery capability*
M. Moreau, B. Ziberi, E. Mueller, S. Yasmin-Karim, D. E. Kozmo, C.S. Yelleswarapu, W. Ngwa
International Journal of Radiation Oncology, Biology, Physics, Volume 108, Issue 3, e372, 2020.
42. *Marginless Radiotherapy (MRT): Leveraging The Abscopal Effect Toward The Treatment Of Metastatic Castration Resistant Prostate Cancer*
S. Yasmin-Karim, B. Ziberi, J. Wirtz, R. Mueller, N. Bih, M. Moreau, V. Ainsworth, X.X. Wei, P.L. Nguyen, W. Ngwa
International Journal of Radiation Oncology, Biology, Physics, Volume 108, Issue 3, e511, 2020.
43. *Optimizing in-situ vaccination during radiotherapy*
Sayeda Yasmin-Karim, Jana Wood, Johanna Wirtz, Michele Moreau, Noella Bih, William Swanson, Ashley Muflam, Victoria Anisworth, Bashkim Ziberi, Wilfred Ngwa
Frontiers in Oncology, 11:711078, 2021.
44. *Boosting the Abscopal Effect Using Immunogenic Biomaterials with Varying Radiation Therapy Field Sizes*
Sayeda Yasmin-Karim, Bashkim Ziberi, Johanna Wirtz, Noella Bih, Michele Moreau, Romy Guthier, Victoria Ainsworth, Juegen Hesser, G Mike Makrigiorgos, Michael D. Choung, Xiao Wei, Paul L. Nguyen, Wilfred Ngwa
International Journal of Radiation Oncology, Biology, Physics, 112(2), 475-486, 2022.

Books

1. Bashkim Ziberi, *Ion Beam Induced Pattern Formation on Si and Ge Surfaces,* Engelsdorfer Verlag, Leipzig, Germany, 2007.
2. M. Cornejo, J. Völlner, B. Ziberi, F. Frost, B. Rauschenbach, Ion beam sputtering: A route for fabrication of highly ordered nanopattern, in 'Fabrication and Characterization

in the Micro-Nano Range', Eds. A. Fernando Lasagni und A. F. Lasagni (Springer Berlin Heidelberg, 2011) 10 (2011) 69-94.

3. B. Ziberi et. al. chapters 15, 20, 30 in the 'Approaching Global Oncology: The win-win model', Eds. A. Elzawawy and W. Ngwa (IOP, Bristol, UK, 2022).

List of conference participations

* Invited Talk

** Talk was awarded with „Young Scientist Award of the European Materials Research Society" prize

*** Contribution was awarded with the „348. WE-Heraeus Seminar Poster Prize" sponzored by the Wilhelm und Else Heraeus – Stiftung during the 348. Wilhelm und Else Heraeus-Seminar on "Ions at Surfaces: Patterns and Processes".

Talks:

1. *Ionenstrahlgestützte Glättung von Oberflächen für optische und mechanische Anwendungen*
   F. Frost, R. Fechner, D. Flamm, B. Ziberi, W. Frank, A. Schindler
   Jahrestagung 2002 der Deutschen Vakuumgesellschaft, 17.-20.06.2002, Magdeburg, Germany
2. *Formation of ordered nanoscale dots by ion sputtering – Role of the angle of ion incidence*
   B. Ziberi, F. Frost, T. Höche, B. Rauschenbach
   DPG-Frühjahrstagung, 24.-28.03.2003, Dresden, Germany
3. *Oberflächendesign mit Ionenstrahlen – Ein alternatives Nanostukturierungsverfahren*
   F. Frost, B. Ziberi
   X. Erfahrungsaustausch „Oberflächentechnologie mit Plasma- und Ionenstrahlprozessen", 18.-21.03.2003, Mühlleithen, Germany
4. * *The shape and ordering of self-organized nanostructures by ion sputtering*
   B. Ziberi, F. Frost, T. Höche, B. Rauschenbach
   E-MRS Spring Meeting, 10.-13.06.2003, Strasbourg, France
5. *Ionenstrahlglättung von Si-Oberflächen: Grundlagen und Anwendungen*
   F. Frost, B. Ziberi
   XI. Erfahrungsaustausch „Oberflächentechnologie mit Plasma- und Ionenstrahlprozessen", 02.-04.03.2004, Mühlleithen, Germany
6. *Self-organized pattern formation on Si surfaces by ion beam erosion*
   B. Ziberi, F. Frost, B. Rauschenbach
   DPG Frühjahrstagung, 8.-12.03.2004, Regensburg, Germany
7. ** *Spontaneous pattern formation on Si surfaces by ion beam erosion*
   B. Ziberi, F. Frost, T. Höche, B. Rauschenbach
   E-MRS 2004 Spring Meeting, 24.-28.05.2004, Strasbourg, France
8. *Ripple and dot pattern formation on silicon surfaces by low-energy ion beam erosion*
   B. Ziberi, F. Frost, Th. Höche, B. Rauschenbach
   MRS Fall Meeting 2004, November 29 – December 3, 2004, Boston, USA
9. *Ion induced pattern formation on Ge and Si surfaces*
   B. Ziberi, F. Frost, B. Rauschenbach
   DPG-Frühjahrstagung, 04.-09.03.2005, Berlin, Germany
10. *Ionenstrahlinduzierte Selbstorganisation auf Si- und Ge-Oberflächen*

B. Ziberi, F. Frost
XII. Erfahrungsaustausch „Oberflächentechnologien mit Plasma- und Ionenstrahlprozessen“, 15.-17.03.2005, Mühlleithen, Germany

11. *Der Einfluss rückgestreuter Primärionen und zerstäubter Targetatome auf die Entwicklung der Oberflächentopographie bei der Ionenstrahlerosion von Silizium*
F. Frost, B. Ziberi
XII. Erfahrungsaustausch „Oberflächentechnologien mit Plasma- und Ionenstrahlprozessen“, 15.-17.03.2005, Mühlleithen, Germany

12. *Ionenstrahl-induzierte Musterbildung auf Halbleiteroberflächen: aktueller Stand und Ausblick*
F. Frost, B. Ziberi, B. Rauschenbach
Workshop „Ionenstrahlphysik und –technologie“, 11./12.04.2005, Leipzig, Germany

13. *** *Spontaneous pattern formation on III/V semiconductor surfaces by low-energy ion beam erosion*
B. Ziberi, F. Frost, Th. Höche, B. Rauschenbach
348. Wilhelm und Else Heraeus-Seminar on “Ions at Surfaces: Patterns and Processes”, 20.-23.06.2005, Bad Honnef, Germany

14. * *Ion beam smoothing of surfaces*
F. Frost, B. Ziberi, F. Fechner, A. Schindler, B. Rauschenbach
348. Wilhelm und Else Heraeus-Seminar on “Ions at Surfaces: Patterns and Processes”, 20.-23.06.2005, Bad Honnef, Germany

15. *Pattern formation on Si and Ge surfaces by low-energy ion beam erosion*
B. Ziberi, F. Frost, Th. Höche, B. Rauschenbach
348. Wilhelm und Else Heraeus-Seminar on “Ions at Surfaces: Patterns and Processes”, 20.-23.06.2005, Bad Honnef, Germany

16. * *Low-energy ion bombardment induced nanostructures on surfaces*
B. Rauschenbach, F.Frost, B. Ziberi, T. Höche
17th International Conference on Ion-Surface Interaction, 25.-29.08.2005, Zvenigorod, Moscow, Russia

17. *Formation of Large-Area Nanostructures on Si and Ge Surfaces during Low-Energy Ion Beam Erosion*
B. Ziberi, F. Frost, B. Rauschenbach
52nd International Symposium of the American Vacuum Society, 30.10.-04.11. 2005, Boston, USA

18. *Ripple to dot transition on Si and Ge surfaces by ion beam erosion*
B. Ziberi, F. Frost, B. Rauschenbach
DPG-Frühjahrstagung, 26.03.-31.03.2006, Dresden, Germany

19. *Self-organized pattern formation on Si and Ge surfaces during ion beam erosion*
F. Frost, B. Ziberi, B. Rauschenbach
DPG-Frühjahrstagung, 26.03.-31.03.2006, Dresden, Germany

20. * *Nanostrukturierung durch Selbstorganisation beim Ionenstrahlätzen*
F. Frost, B. Ziberi, E. Schubert, T. Lutz, D. Flamm, T. Höche, A. Schindler
I. CC-UPOB – Workshop „Ultrapräzise Oberflächenbearbeitung mit Ionen-, Plasma- und Laserstrahlen“, 27. April 2006, Leipzig, Germany

21. * *Ionenstrahl-Glättungsverfahren*
F. Frost, R. Fechner, B. Ziberi, A. Schindler
I. CC-UPOB – Workshop „Ultrapräzise Oberflächenbearbeitung mit Ionen-, Plasma- und Laserstrahlen“, 27. April 2006, Leipzig, Germany

22. *Nanostrukturierung auf Oberflächen durch niederenergetische Ionenstrahlerosion*
F. Frost, B. Ziberi, B. Rauschenbach
Workshop „Ionenstrahlphysik und Nanotechnologie“, 16./17.06.2006, HMI Berlin, Germany

23. * *Nanostructures on surfaces by low-energy ion bombardment*
B. Rauschenbach, B. Ziberi, F. Frost, T. Höche
VI-th International Conference Ion Implantation and Other Applications of Ions and Electrons, 26.-29.06.2006, Kazinierzy Dolny, Poland

24. *Ion induced ripple and dot patterns on Si and Ge surfaces due to self-organization processes*
B. Ziberi, F. Frost, B. Rauschenbach
First International Conference on NANO-structures, 02.-06.07.2006, Aix-en-Provence, France

25. *Highly ordered pattern on Si and Ge surfaces by ion beam erosion: from ripples to dots*
F. Frost, B. Ziberi, B. Rauschenbach
15th International Conference on Ion Beam Modification of Materials, 18.-22.09.2006, Taormina, Italy

26. The role of secondary ion beam parameters on the formation and ordering of ripple and dot structures on Si and Ge surfaces
B. Ziberi, F. Frost, T. Lutz, M. Tartz, H. Neumann, B. Rauschenbach
MRS Fall Meeting 2006, 27.11.-01.12.2006, Boston, USA

27. *Energy dependence of the surface topography on Si and Ge during ion beam erosion: Change in orientation of ripples*
B. Ziberi, F. Frost, T. Lutz, B. Rauschenbach
DPG-Frühjahrstagung, 26.-30.03.2007, Regensburg, Germany

28. * *Ion beam induced processes: From nanostructures to ultra smooth surfaces*
B. Ziberi
CNRS/Saint-Gobain, 01.03.2007, Paris, France

29. *Pre-patterned Si surfaces for controlling ion beam induced self-organization*
T. Lutz, B. Ziberi, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, B. Rauschenbach
E-MRS 2007 Spring Meeting, 28.05.-01.06.2007, Strasbourg, France

30. * *Topography evolution and control on Si and Ge surfaces due to ion beam induced self-organization*
B. Ziberi, F. Frost, T. Lutz, B. Rauschenbach
Workshop on Nanopatterning via Ions, Photon beam and Epitaxy, 23.-27.09.2007, Sestri Levante, Italy

31. *Controlling ion beam induced self-organization on Si surfaces by lithographic pre-patterning*
B. Ziberi, T. Lutz, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, B. Rauschenbach
MRS Fall Meeting 2007, 26.11.-30.12.2007, Boston, USA

32. * *Surface Structuring by ion beam erosion*
B. Rauschenbach, B. Ziberi, F. Frost, Th. Höche
MRS Fall Meeting 2007, 26.11.-30.12.2007, Boston, USA

33. * *Surface engineering with ion beams: from self-organzied nanostructures to ultra-smooth surfaces*
B. Ziberi, F. Frost, A. Schindler, B. Rauschenbach
PXMRS'08 – Physics of X-ray Multilayer Structures conference, 03.02.-07.02.2008, Big Sky Resort, Montana, USA

34. *Controlled self-organization due to sputtering on Si surfaces by lithographic pre-pattern*
B. Ziberi, T. Lutz, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, B. Rauschenbach
DPG-Frühjahrstagung, 25.-29.02.2008, Berlin, Germany

35. * *Surface engineering with ion beams: from self-organzied nanostructures to ultra-smooth surfaces*
F. Frost, B. Ziberi, A. Schindler, and B. Rauschenbach
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36. *Hierarchical nano-structuring by combining ion induced self-organization and lithographic pre-patterning*
B. Ziberi, T. Lutz, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, B. Rauschenbach
Nano SEA 2008, 7.-10.07.2008, Monteporzio Catone, Rome, Italy

37. * *Self-organized nanostructuring on Si and Ge surfaces due to low-energy ion beam erosi*
B. Ziberi, F. Frost, B. Rauschenbach
CAARI 2008, 10.-15.08.2008, Fort Worth, Texas, USA

38. *Ion induced pattern formation on III/V semiconductors by low-energy ion beam erosion*
B. Ziberi, F. Frost, B. Rauschenbach
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39. *Hierarchical nano-structuring by combining ion induced self-organization and lithographic pre-patterning*
B. Ziberi, T. Lutz, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, B. Rauschenbach
IBMM 08, 31.08-05.09.2008, Dresden, Germany

40. *Combination of phase mask projection laser ablation with self-organization by ion bear erosion: hierarchical structuring at micron and nanometer length scales*
M. Cornejo, B. Ziberi, T. Lutz, R. Böhme, R. Fechner, K. Zimmer, F. Frost, B. Rauschenbach, Materials Science and Engineering MSE 2008, 01.-04.09. 2008, Nürnbe Germany

41. *Self-organized nanostructuring on semiconductor surfaces by low-energy ion beam erosion*
B. Rauschenbach, B. Ziberi and F. Frost
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B. Ziberi, F. Frost, A. Schindler, B. Rauschenbach
7th Conference of the Society of Physicists of Macedonia, 18.09-21.09.2008, Ohër, Macedonia

43. * *Nano-Design mit Ionenstrahlen: von ultra-glatten Oberflächen zu hierarchisch aufgebauten Nanostrukturen*
F. Frost, B. Ziberi, R. Fechner, M. Cornejo, J. Völlner, M. Tartz, H. Neumann, A. Schindler
XVI. Erfahrungsaustausch Oberflächentechnologie mit Plasmaprozessen, 10.-12.03.200 Mühlleithen, Germany

44. *Hierarchical nano-structuring of Si surfaces by combining top-down and bottom-up techniques*,
B. Ziberi, F. Frost, J. Zajadacz, K. Zimmer, R. Fechner, B. Rauschenbach,
DPG-Frühjahrstagung, 23.-27.03.2009, Dresden, Germany

45. *Mechanisms in low-energy ion beam erosion of fused silica surfaces*
J. Völlner, B. Ziberi, F. Frost, B. Rauschenbach
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M. Cornejo, B. Ziberi, M. Tartz, H. Neumann, F. Frost, B. Rauschenbach
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47. *Ion beam pattern formation on Si(001) with and without codeposition*
S. Macko, B. Ziberi, D. Hirsch, F. Frost, T. Michely
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B. Ziberi, T. Lutz, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, B. Rauschenbach
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B. Ziberi
Physics Colloquium, University of Central Florida, 24.04. 2009, Orlando, USA

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M. Cornejo, B. Ziberi, T. Lutz, R. Fechner, D. Hirsch, K. Zimmer, F. Frost, Rauschenbach, , Nanotech Conference & Expo 2009, 3.-7.05. 2009, Houston, Texas.

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B. Ziberi
Takimi i IV i IASH, 31.08-03.09.2009, Tetovë, Maqedoni

52. * *Nanoengineered multiscale nano-structuring of Si surfaces combining top-down a bottom-up techniques*
B. Ziberi, K. Zimmer, F. Frost, B. Rauschenbach
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M. Cornejo, B. Ziberi, F. Frost, B.Rauschenbach
3rd Meeting Scientia Materiarum Network, San Sebastián, Spain, 21.-23.10. 2009

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B. Ziberi, F. Frost, M. Cornejo, J. Völlner, A. Schindler, B. Rauschenbach
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55. *Overview panel discussion, Emerging Opportunities: New ideas; Commercial Adoption Issues*
B. Ziberi
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56. *Institutions of Higher Education as actors for change*
B. Ziberi
Creating vision and standards – the Role of Higher Education in Fostering Inter-Cultural Dialogue and Understanding in a Multiethnic Society" 16-17 March, 2011, Skopje, Macedonia

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59. *Multiscale Nano-structuring of Si Surfaces Combining Top-down and Bottom-up Techniques:* Bashkim Ziberi, Frank Frost
International Congress on Natural and Engineering Sciences, 01-05 September 2016, Skopje Macedonia

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MOLBIOTECH, 25-27 April 2018, Konya, Turkey.

61. *Study of mechanical properties of nanostructured materials produced by SPD*
Neset Izairi, Fadil Ajredini, Bashkim Ziberi, Aferdita Veveçka-Priftaj, Mimoza Ristova
10th Conference of the Society of Physicists of Macedonia, 25.-28.09.2014, Skopje, Macedonia

62. *Surface coating of Stainless Steel with a Zinc layer using the process of heating*
Luan Kola, Neset Izairi, Bashkim Ziberi
10th Conference of the Society of Physicists of Macedonia, 25.-28.09.2014, Skopje, Macedonia

63. *Investigation of mechanical properties of the Zinc layer coating of Stainless Steel*
Luan Kola, Neset Izairi, Bashkim Ziberi, Altin Gjevori
1st International Conference on Applied Sciences-ICAS2015, 08.-09.05.2015, Tetova, Macedonia

64. *The use of smart components and systems in building constructions and architectural applications*
Adhurim Hoxha, Altin gjevori, Bashkim Ziberi
1st International Conference on Applied Sciences-ICAS2015, 08.-09.05.2015, Tetova, Macedonia

65. *The effect of w/c ratio on durability and porosity of Calcium Sulfoaluminate and Calcium Sulfoaluminate - belite hydrated cements*
Ramadan Aliti, Thomas A. Bier, Bashkim Ziberi, Elsa Qoku
2nd International Conference on Applied Sciences-ICAS2016, 13.-14.05.2016, Tetova, Macedonia

66. * *Multiscale nano-structuring of Si surfaces combining top-down and bottom-up techniques*
B. Ziberi
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67. *Effect of artificial aging in the microhardness of Al-Mg-Si Aluminium alloys*
Blerta Ahmedi, Fisnik Aliaj, Naim Syla, Bashkim Ziberi
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68.* *Surface engineering with low-energy ion beams: from ultra-smooth surfaces to hierarchical nanostructures*
B. Ziberi, MOLBIOTECH, 24.-27.09.2018, Skopje, Macedonia

69. *Microstructural examination of 6063 and 6060 Aluminium alloys*
Blerta Ahmedi, Bashkim Ziberi, Naim Syla, Fisnik Aliaj
International Congress on Natural, Health Sciences and Technology, 15.-17.05.2019, Tetova, North Macedonia

70. *Malignant Diseases, Early Detection And Treatment Options in Kosovo*
G. Nafezi, A. Bislimaj, F. Sermaxhaj, B. Ziberi
Harvard Global Health Catalyst Summit, 24.-26.05.2019, Harvard Medical School, Boston, USA

71.* *Radiation Oncology in the Balkans: Collaboration opportunities*
B. Ziberi
Workshop "Digitalization in Radiation Oncology", 05.-06.09.2019, University Medical Center Mannheim, Germany.

72.* *Use of Different Types and Environments of Smart Radiotherapy Biomaterials for Payload Release on Tumor Sites*
B. Ziberi, Michel Moreau, Wilfred Ngwa
International Scientific Congress of Materials and Polymers-ISCMP, 12.-14.09.2019, Prishtina, Kosovo.

73. *Nanoparticle-aided radiotherapy converts the tumor into an in-situ vaccine treating cancer metastasis with major increase in survival*
Bashkim Ziberi, Udoka Ibeh, Sayeda Yasmin-Karim, Wilfred Ngwa
AAPM2019, 14.-18.07.2019, San Antonio, USA.

74.* *Combining Radiotherapy with Immunotherapy using smart biomaterials in cancer treatment*
Bashkim Ziberi, Wilfred Ngwa
Invited Talk, PhD program, Medical Faculty, University of Prishtina, Kosova, 15 Dec. 2021.

75.* *Nanoparticle-aided Radiotherapy with Immunotherapy using smart biomaterials in cancer treatment*
Bashkim Ziberi, Wilfred Ngwa
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76. *Low energy ion beam induced pattern formation*
Bashkim Ziberi, F. Frost
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77. *Nanoparticle-aided Radiotherapy with Immunotherapy using smart biomaterials in cancer treatment*
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