

Programme

24 of November 11:00-12:00 Registration and coffee 12:00-12:30 Opening Ceremony, Chair - Assoc. Prof. D. ÅjatkovskienÄ— (BASNET Forum, VU ITPA)
(Representatives of UNESCO, Lithuanian Parliament and Organizers)
 Session I
Women in Sciences and High Technology
Chair â€” Habil. Dr. G. TautvaiÅ¡ienÄ— (VU ITPA)

12:30-14:30

Prof. J. Bell Burnell (Oxford University, UK) â€œAn Introduction to Pulsars â€” Pulsating Radio Starsâ€•

Prof. A. Leliwa-Kopystynska (Warsaw University, Poland) â€œMarie Curie and the World Scienceâ€•

Prof. D. AdlienÄ— (Kaunas Technological University, Lithuania) "Medical physics: struggling for proper radiation doses"

Dr. J. RazumienÄ— (Vilnius University, Lithuania) "Carbonaceous materials for bioelectrocatalysis"

14:30-15:00 Coffee break Opening of Exhibition âžl am an author of scientific monograph and textbookâ€œStart of the poster sessionâžNewest scientific results by Lithuanian women-scientistsâ€œ Session II Development of Women Potential Influence of Academic and Work Culture to the CareerChair â€” Assoc. Prof. Å½. RutkÅ«nienÄ—

15:00-17:00

Prof. F. Zucco (CNR, Italy) â€œChallenges for a women biologist: science, ethics and genderâ€•

Dr. E. Lohkivi (Tartu University, Estonia) â€•One, two, three, or many cultures? Some reflections on science as workplace culture on the example of physics and humanities in Estoniaâ€•

Prof. E. Czerwosz (Poland) â€œParticipation of women in HT scientific projectsâ€•

M.Głodas (Microsoft) â€œProfessional Women Initiativeâ€• 17:00-18:00 A new documentary movie dedicated to M. Curie (France, 2011) and discussion with the Director of the movie Michel Vuillermoz. 19:30 Conference dinner & concer at the Vilnius City HallÂ

25 of November Session III

Women Scientistâ€™s Input into Sciences and Innovative Technologies

Chair â€” Prof. D. Dzemyda (VU IMI) 09:00-11:00

Prof. E. Fabry (ECWT, Norway) â€œWomen for smart growthâ€•

Prof. J. Bell Burnell (Oxford University, UK) â€œWomen in Science, Technology, Engineering and Mathematics in Scotlandâ€•

L. Corugedo Stenberg (European Commission) â€œGreat Careers for Great Womenâ€•

V. MisiukonienÄ— (INFOBALT) and I. VyÅ¡niauskienÄ— (Hewlett-Packard, Lithuania) â€œChallenges for women professionals IT industryâ€•11:00-11:30 Coffee break Session IV

Science and Youth: Women Scientistâ€™s Contribution in AttractingÂ Young Generation to Science

Chair â€” Assoc. Prof. A. Rimeika (VPU)

11:30-13:30

Prof. C. Hermann (Ecole Polytechnique, France) â€œThe actions of French women scientists to encourage girls and boys into scienceâ€•

Prof. P. Mata (Universidade Nova de Lisboa, Portugal) â€œPrinciples of chemistry, physics and microbiology in everyday lifeâ€•

Dr. A. NovelskaitÄ— (Vilnius University, Lithuania) â€œYouth's Attitudes Towards Physical and Technological Sciences in Lithuania: How does Gender Matter?â€•

Assoc. Prof. D. RutkauskienÄ— (Kaunas Technological University, Lithuania) â€œE-skills in digital age: importance for youthâ€•
13:30-14:30 Lunch 14:30-15:30 Review of the poster session and book exhibition

Chair â€” Prof. V. LaurinaviÄ•ius (VU BCHI)

Moderators for scientific fields will be announced later 15:30-16:30 Round table dicussion â€œSciences and High Technologies: womenâ€™s perspectivesâ€•

Moderator Prof F. Zucco, Italy

Members of the roundtable will be announced later

16:30 Closing of the Conference

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Â Poster Contributions:

Astronomy

1. E. StonkutÄ—, G. TautvaiÅjenÄ—, R. Å½enovienÄ—, B. Nordstrom â€œSatellite remnants in the Milky Way galaxyâ€•
2. ÅjarÅ«nas Mikolaitis, GraÅ¾ina TautvaiÅjenÄ—, â€œE-infrastructure in Lithuania and its application in Astrophysicsâ€•
3. G. TautvaiÅjenÄ—, G. BariseviÅ•ius, S. Berdiugina, Y. Chorniy, I. Iljin â€œChemical element abundances in photospheres of RS CVn starsâ€•
4. GraÅ¾ina TautvaiÅjenÄ—, ÅjarÅ«nas Mikolaitis â€œTracers of Stellar Chemical Evolution in Red Clump Stars of Open Clustersâ€•
5. R. Å½enovienÄ—, G. TautvaiÅjenÄ—, E. StonkutÄ—, B. NordstrÃ¶m â€œA new kinematically identified stellar group: chemical composition studyâ€•

Physics

6. RamutÄ— GiriÅ«nienÄ—, Justinas Pesliakas â€œStimulation of chemical reactions by acoustic wavesâ€•
7. V. JucienÄ—, J. PoÅ¾la—la, E. Åjimulius, K. PoÅ¾la—la, A. ÅjilÄ—nas â€œTerahertz electromagnetic waves in polar semiconducting alkali halidesâ€•
8. Augustinas Kulbickas, Loreta RastenienÄ—, Marius Franckevicius, Metthew Bloomfield, Eugenijus Gaubas and Rimantas Vaisnorasâ€• Features of irradiated diamonds by heavy protons and light helium ionsâ€•
9. A. Borovik, A. KupliauskienÄ— â€œElectron-impact excitation of the 5p56s2 2P3/2,1/2 autoionizing states in Cs atomsâ€•
10. Rita PlukienÄ—, ArtÅ«ras Plukis, Grigorijus DuÅ¡kesas, ArÅ«nas Gudelis, Rasa GvozdaitÄ—, RÅ«ta DruteikienÄ—, Vidmantas Remeikis â€œNuclide composition in irradiated graphite of Ignalina NPP RBMK-1500 reactorâ€•
11. Sandra PralgauskaitÄ— â€œLow frequency noise characteristics of multiple quantum well laser diodesâ€•
12. J. Stupakova, N. SamulienÄ—, E. Shatkovskis, J. Gradauskas, V. Zagadskij, A. SuÅ¾iedelis â€œInnovative Application of Advanced Silicon Nanotechnology (II): Development Microwave Detectors of High Sensitivityâ€•
13. Dalia ÅjatkovskienÄ— â€œApplication of Reduced Density Matrix Formalism for study of characteristics of saturated moleculesâ€•
14. E. Åjatkovskis, J. Stupakova, R. MitkeviÅ•ius, V. Zagadskij â€œInnovative Application of Advanced Silicon Nanotechnology (I): Significant Enhancement Efficiency of Silicon Solar Cellsâ€•
15. JanÄ— ÅjukaitÄ—, Aurelija PelanskienÄ—, Alfredas Lankauskas, Mindaugas Kiriliauskis â€œElectric to thermal energy conversion: research of hydrogen plasma cellâ€•
16. J. TamulienÄ—, L. BaliulytÄ—, V.S. Vukstich, L.G. Romanova, R. Lutsyuk, A.V. Snegursky â€œQuantum-mechanical study of the alanine molecule fragmentation by low energy electronsâ€•
17. N. Å½urauskienÄ— â€œCMR-B-scalar sensor for high magnetic field measurementsâ€•

Biochemistry, Biophysics

18. Evelina ÅŒrbaitÄ—, Julija RazumienÄ—, Vida GureviÅ•ienÄ—, Daiva TauraitÄ—, Regina JanÅ•ienÄ—, Algirdas Palaima, Raimundas MeÅjkys, Valdemaras Razumas â€œNew redox mediators for electrochemical biocatalysisâ€•
19. Å½. LukÅjenÄ—, S. MuralytÄ—, Vytautas Gudelis â€œLight technologies for inactivation of food pathogensâ€•
20. R. MickienÄ—, V. KaÅ¡konienÄ—, A. MaruÅjka "Antimicrobial Effects Of Some Phyto-Organic Compounds"
22. I. ÅjakintyÄ—, J. RazumienÄ—, J. Barkauskas, V. GureviÅ•ienÄ—, R. Baronas â€œCarbon nanomaterials in bioelectrocatalytic systemsâ€•
22. E. Voitechovic, A. Bratov, N. Abramova, J. RazumienÄ—, A. D. Lakshmi, P. K. Ivanova-Mitseva, S. Piletsky â€œThe Study of Bioelectrochemical Systems Based on PQQ Dependent Enzymes and Conductive Polyaniline Polymer Using Method of Electrochemical Impedance Spectroscopyâ€•

Chemistry

23. I. KerienÄ—, A. MaruÅjka, J. SitonytÄ— â€œAnalysis of Phthalates in the River Venta by Solid Phase Extraction and Gas Chromatographic-Mass Spectrometric Methodâ€•
24. Å½ivilÄ— RuÅ¾elÄ— â€œFormation of micro- and nanostructured molecular assemblies through in situ synthesis on functionalised surfacesâ€•

Material and Technological Sciences

25. R. KlevaitytÄ—, V. MasteikaitÄ— â€œInvestigation and Evaluation of Elastic Fabrics Deformation Non-uniformityâ€•
26. Algirdas Lazauskas, Asta GuobienÄ—, Judita PuiÅjo, Igoris ProsyÅ•evas â€œMorphology of thin films with silver nanoparticles from plant extracts on glass substratesâ€•
27. Rita PlaipaitÄ—Nalivaiko, Diana AdlienÄ—, Algimantas MeÅjkuscas "Ionizing radiation impact on changes of polymer

structure"

28. V. SaceviÄ•ienÄ—, V. MasteikaitÄ— â€œEvaluation of Deformation Behaviour of Coated and Laminated Materialsâ€•

Social Sciences

29. Dalia Å¡atkovskienÄ—, Alicija KupliauskienÄ— and Å½ivilÄ— RutkÅ«nienÄ— â€œBaltic States Association BASNET Forum Activities and perspectivesâ€•

30. I. TikneviÄ•ienÄ— â€œProfessor Vyda KÄ—sgailaitÄ— RagulskienÄ—. Scientist, Inventor, the First Woman Habil. dr. of Tech Scienses in Lithuaniaâ€•