

PERSONAL INFORMATION

Marin Focsaneanu

📍 B-ul Republicii, nr 27, bl A12, ap 50 sc E, Piatra Neamt, jud Neamt

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Sex M | Date of birth 28/09/1996 | Nationality Romana

POSITION WITHIN THE PROJECT

Team Member

WORK EXPERIENCE

13/09/16-Present

Research Assistant

Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH)

Reactorului Street, Number 30, 077125 Magurele (Romania)

<http://www.nipne.ro/>

- X-Ray Computed Tomography
- Positron spectroscopy
- Implantations with metal ions

Business or sector Reseach Development

EDUCATION AND TRAINING

1/10/2017-Present

PHD in Nuclear Physics

- Statistics for Nuclear Physics and Elementary Particle Physics
- Interactions of nuclear radiation with matter
- Classical radioactive decays and exotic radioactive decays
- Cosmogonic problems and notions of Astrophysics
- Reaction mechanisms in nuclear collisions at low and intermediate energies
- Notions of kinematics and dynamics relativistic
- Monte Carlo Methods in Nuclear Physics and High Energy Physics
- Scientific research methodology and statistical data processing

1/10/15-1/06/2017

Master in Medical Physics

- Interactions of ionizing radiation with matter
- Biostatistics and medical computer science
- Statistical analysis of data experimental and calculation methods and simulation
- Radiation sources, dosimetry and radiological protection
- Elements of Cosmology and Astroparticle Physics. Extreme conditions of nuclear matter. Models and processes
- Nuclear fission and nuclear fusion. Nuclear reactors. Nuclear energy and radioactive waste management
- Spectroscopic techniques for investigation of atomic systems, molecular and nuclear
- Nuclear magnetic resonance. Physical principles and applications

- Nuclear structure models, nuclear and photonuclear reactions. Nuclear spectroscopy
- Experimental physics of heavy ions at low energies
- Detection methods in nuclear physics
- Properties of atomic systems and molecular systems. Models and experimental techniques

1/10/12-1/06/2015 Medical Physics Degree

- General knowledge of physics
- Basic knowledge of chemistry

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | C2 | C2 | C2 |

Communication skills

- Experience in communication gained during the scientific sessions I took part in

Job-related skills

- Stress resistance
- Adaptability
- Cooperation
- Team spirit
- Ability to adapt, communicate, professional self-development, creativity
- Finding quickly the necessary information
- Perseverance, organizational spirit and seriousness
- Good skills, both as a leader and as a member of a team

Digital competence

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|-----------------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Proficient user | Proficient user | Independent user | Proficient user | Proficient user |

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References
Citations
Courses
Certifications

Presentations

1. *Studiul tehnologiei ceramice neolitice timpurii cu ajutorul tomografiei computerizate*
Adina Boroneant, Marta Petroneac, Florin Constantin, Marin Focsaneanu, Mircea Lechintan, Robert Sirbu, Daniel Stoicescu, "Repere Arheologice Banatene", Ediția a XXXV-a, Coronini, Romania, 5-8 iunie 2019
2. *POSITRON ANNIHILATION SPECTROSCOPY STUDIES ON POLYETHYLENE IMPLANTED WITH CU IONS USING AN ECR ION SOURCE*
Marta PETRUNEAC, Florin CONSTANTIN, Marin FOCȘĂNEANU, Mircea LECHINȚAN, Robert SÎRBU, Daniel STOICESCU, 19 th International Balkan Workshop on Applied Physics, Constanța, Romania, July 16-19, 2019
3. *Tehnologia ceramicii neolitice timpurii din zona Portilor de Fier. O abordare comparativa a unor vase autentice și experimentale din perspectiva tomografiei computerizate.* Vasile Opris, Adina Boroneant, Marta Petroneac, Marin Focsaneanu, Robert Sirbu, Stelian Mihalceanu, Florin Constantin, Clive Bonsall, Simpozionul „Cercetari Arheologice si Numismatice”, editia a V-a, București, 19-20 septembrie 2019

Publications

1. Florin Constantin, Marin Focșăneanu, Marta Petroneac, A digital pozitron annihilation lifetime spectrometer, Romanian Journal of Physics 65, 901 (2020)
2. Florin Constantin, Marta Petroneac, Marin Focșăneanu (2020), Pozitron annihilation spectroscopy studies of implanted polymer membranes, 2020 Polymers Advanced Technologies 2020; 1-7. <https://doi.org/10.1002/pat.5079>
3. Stimulation of the Germination and Early Growth of Tomato Seeds by Non-thermal Plasma
Magureanu Monica, Robert Sirbu, Daniela Dobrin, Mihai Gidea
4. Vlad-Ștefan Cărăbiși, Anca-Diana Popescu, Marta Petroneac, Marin Focșăneanu, Daniela Cristea-Stan, Florin Constantin, EARLY IRON AGE FIBULAE FROM BALTA VERDE, ROMANIA: TYPOLOGY, COMBINATION AND MANUFACTURE, Beauty and the eye of the beholder : personal adornments across the millennia, 2020.
5. Anca-Diana Popescu, Vlad-Ștefan Cărăbiși, Robert Sîrbu, Marta Petroneac, Daniela Cristea-Stan, Marin Focșăneanu, Stelian Mihălceanu, Florin Constantin, Tehnici de realizare a două fibule din prima epocă a fierului descoperite în Oltenia, STUDII ȘI CERCETĂRI DE ISTORIE VECHĂ ȘI ARHEOLOGIE, 2020.
6. Alin FRÎNCULEASA, Roxana MUNTEANU, Daniel GARVĂN, Cătălin DINU, Octav NEGREA, Bianca PREDĂ-BĂLĂNICĂ, Laurențiu GRIGORAȘ, Angela SIMALCSIK, Luminița BEJENARU, Daniela CRISTEA-STAN, Florin CONSTANTIN, Marta PETRUNEAC, Marin FOCȘĂNEANU, Tiberiu Bogdan SAVA, Andreea DIMA, Gabriela SAVA, Maria ILIE, TURANICI LA DUNĂREA INFERIOARĂ – COMPLEXE CERCETATE RECENT ÎN NORDUL MUNTENIEI , Materiale și Cercetări Arheologice, 2020