

CURRICULUM VITAE



PERSONAL INFORMATION

Name	MARIYAN BOGOMILOV
Address	SOFIA UNIVERSITY ST. KLIMENT OHRIDSKI, FACULTY OF PHYSICS 5 JAMES BOURCHIER BLVD. 1164 SOFIA, BULGARIA
E-mail	marian@phys.uni-sofia.bg
Nationality	Bulgarian
Date of birth	04.09.1976

WORK/TEACHING EXPERIENCE

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|---|---|
| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer• Occupation or position held• Main activities and responsibilities | <p>2016 - NOW</p> <p>University of Sofia – Faculty of Physics, 5 James Boucher Blvd., Sofia 1164, Bulgaria</p> <p>Associated professor</p> <p>Teaching lectures, seminars, laboratory exercises in atomic and nuclear physics, particle physics, performing scientific research in high energy physics and neutrino physics</p> |
| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer• Occupation or position held• Main activities and responsibilities | <p>2011 - 2016</p> <p>University of Sofia – Faculty of Physics, 5 James Boucher Blvd., Sofia 1164, Bulgaria</p> <p>Head assistant professor</p> <p>Teaching lectures and laboratory classes in atomic and nuclear physics, performing scientific research in high energy physics</p> |
| <ul style="list-style-type: none">• Dates (from – to)• Name and address of employer• Occupation or position held• Main activities and responsibilities | <p>2006 – 2011</p> <p>University of Sofia – Faculty of Physics, 5 James Boucher Blvd., Sofia 1164, Bulgaria</p> <p>physicist</p> <p>Participate in the preparation and conducting of seminar and laboratory classes, develop educative tools and laboratory equipment, participate in scientific research</p> |

EDUCATION AND TRAINING

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|---|---|
| <ul style="list-style-type: none">• Dates (from – to)• Name and type of organization• Principal subjects• Title of qualification awarded | <p>2001 -2006</p> <p>University of Sofia, Faculty of Physics</p> <p>High energy physics, physics of hadrons, detectors of elementary particles</p> <p>Doctor degree (Ph.D.)</p> |
| <ul style="list-style-type: none">• Dates (from – to)• Name and type of organization• Principal subjects• Title of qualification awarded | <p>1994 – 1999</p> <p>University of Sofia, Faculty of Physics</p> <p>Nuclear physics and elementary particle physics</p> <p>Master degree</p> |

PROFESSIONAL CHARACTERISTICS

- Fields of Scientific Research (Keywords)
- Membership in Scientific Organizations
- Specializations and International Experience
- Published paper
- Citations (excluding self cities)
 - h-index

particle physics, neutrino, hadrons, leptons, particle detectors, computing in high-energy physics

since 2001 – User at CERN, Geneva, Switzerland

since 2008 – User at Rutherford Appleton Laboratory (RAL), Didcot, UK

Switzerland, CERN, ~3 years in total, 2001-2007

Italy, Istituto Nazionale di Fisica Nucleare (INFN), 2 years, 2008-2010

England, Rutherford Appleton Laboratory (RAL), ~1 year in total, 2008-2018

112 (peer-reviewed)

> 700

14

PROJECTS

2018 - 2022: “Feasibility Study for employing the uniquely powerful ESS linear accelerator to generate an intense neutrino beam for leptonic CP violation discovery and measurement. — ESSnuSB”, **International project HORIZON2020, group leader**

2017 - 2021: “Experimental study of hadronic and nuclear interactions quark-gluon plasma properties with NA61 experiment at CERN”, **national project FNI, group leader**

2017 - 2020: COST Action CA15139 “Combining forces for a novel European facility for neutrino-antineutrino symmetry-violation discovery (EuroNuNet)”, **international project, member**

2017 - 2020: Co-funding project to COST Action CA15139 “Combining forces for a novel European facility for neutrino-antineutrino symmetry-violation discovery (EuroNuNet)”, **national project FNI, group leader**

2011 - 2014: „EUROnu: A High Intensity Neutrino Oscillation Facility in Europe“, **international project FP7, member**

2011 - 2015: „AIDA: Advanced European Infrastructures for Detectors at Accelerators“, **international project FP7, member**

2011 - 2014: “Experimental study of strongly interacting matter and quark-gluon plasma properties”, **national project FNI, member**

2012: “Study, analysis and development of systems for cosmic rays detections”, **national project FNI, group leader**

COLLABORATIONS

2007 - now: **MICE** Experiment on ISIS accelerator, **Rutherford Appleton Laboratory RAL, UK**

2021 - now: **SND@LHC** Experiment, LHC accelerator, **CERN, Switzerland**

2011 - now: **NA61/SHINE** Experiment on SPS accelerator, **CERN, Switzerland**

2001- 2007: **HARP** Experiment on PS accelerator, **CERN, Switzerland**

PERSONAL SKILLS AND COMPETENCIES

- Mother’s tongue
- Other languages
 - Social skills

Bulgarian

English – very good, Russian - good

communicative, work in a team