CURRICULUM VITAE

Ochbadrakh CHULUUNBAATAR

Personal Information:

Date of Birth: 24 July 1974

Place of Birth: Ulaanbaatar, Mongolia

Education:

1992 – 1996 Faculty of Mathematics, National University of Mongolia.

Academic degrees:

1998 Master of Science in Numerical Mathematics: *"Some mathematical questions of the few-body problem in quantum mechanics"*, Supervisor: Prof. Kh. Tsookhuu, National University of Mongolia.

2002 Candidate of Sciences in Physics and Mathematics: *"The Newton variation-iteration schemes for numerical study of the three-body quantum systems"*, Supervisors: Profs. I.V. Puzynin and S.I. Vinitsky, JINR.

2010 Doctor of Sciences in Physics and Mathematics: *"The variation-projective methods for investigation of few-body quantum systems"*, Scientific advisers: Profs. I.V. Pusynin and S.I. Vinitsky, JINR.

2018 Academician of the Mongolian Academy of Sciences.

Specialization:

Mathematical Modelling, Numerical Methods and Program Complexes.

Professional Career:

1997 – 1999 Lecturer of the Department of Applied Mathematics, SMCS NUM.

1999 – 2006 Junior Scientist, LCTA/LIT JINR.

2006 – 2010 Senior Scientist, LIT JINR.

2010 – 2011 Leading Scientist, LIT JINR.

2011 – 2019 Head of Division for Calculations of Complex Physical Systems, LIT JINR.

Since 2019 Deputy Director, MLIT JINR.

Scientific-Organizational Activities:

2007 – 2020 Head of National Group of Mongolia in JINR.

Since 2012 Member of the Scientific-Technical Council of MLIT JINR.

Since 2019 Member of the Dissertation Council for IT and Computational Physics of JINR.

Bibliography:

Results of the scientific activities have been published in more than 230 articles.

Awards, Prizes:

2011 Medal for 90th Anniversary of Mongolian People's Revolution.

2011 Certificate of Honor of the Governor of Dubna, Russian Federation.

2012 Honorary worker of Science of Mongolia.

2012 Laureate of the State Prize of Mongolia.

2015 JINR Second Prize "Problem-oriented complex of programs for solving boundary value problems in the dynamics of few-body quantum systems".

2016 Letter of Thanks of the Governor of Moscow region, Russian Federation.

2021 Certificate of Honor of the Ministry of Science and Higher Education of the Russian Federation.

2023 Order of the Polar Star of Mongolia.

Present Position:

Meshcheryakov Laboratory of Information Technologies, Joint Institute for Nuclear Research, Dubna, Moscow Region 141980, Russia

Permanent Position:

Institute of Mathematics and Digital Technology, Mongolian Academy of Sciences, Ulaanbaatar, Mongolia

Scientific Interests:

Computational physics, mathematical modelling, variational and numerical methods in the few-body problem. High accuracy uncoupled correlated calculations of energy of helium isoelectronic bound states. Impact ionization of helium by fast electron or proton in Born's approximation. A multi-channel scattering problem and exact solvable models: Schwinger iteration-variational method, Kantorovich method of reducing a boundary problem to the coupled ordinary differential equations, Monte-Carlo methods, etc.