

PERSONAL INFORMATION

Ivica Bašić



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Sex | Date of birth | Nationality

WORK EXPERIENCE

2005-Now

APOSS d.o.o. Director and Lead Safety Analyst

- Deterministic and probabilistic safety analyses (design and beyond design bases accident);
- Technical Assistance in Preparation of the different Design Modification Packages (DMPs) and licensing support;
- Preparation and execution of 2nd Periodic Safety Review for Krško NPP;
- Enhancement of various Nuclear Regulatory Authorities capabilities with regard to assessment (project contracted by ENCO Vienna);
- Supporting ENCONET Zagreb in development/V&V analysis for SEOPs for Chashma NPP;
- Review of the Russian software packages and PSAR Chapter 15 for new VVER-1200 NPP Hahikivi, Fennovoima (project lead by AF-Colenco, Baden);
- Review of the PSAR for VVER-1200 NPP (Akuyu, Turkey), PSAR for VVER-1000 (NPP Bushrehr 2 (Iran) and El Dabaa (Egypt));
- Participation in NARSIS EU HORIZON 2020 project (<http://www.narsis.eu/>);
- Low Power and Shutdown PSA and Level 2 PSA for NPP Angra (Brazil); etc.

Part-time Consultancies and Projects:

- Lecturer on the various training courses (Severe Accident Phenomenology/SAMG Development and V&V for Slovenian Nuclear Safety Administration, Nuclear Power Institute of China (NPIC), SNERDI China; EDMG development for NSC (Borsele NPP, Oskarshamn NPP, etc); Modification Process Overview for Hungarian and Slovakian Nuclear Safety Administration, etc.)
- Member of EUR (European Utility Requirements) rev. D and E team (behalf GenEnergija, Krsko);
- Member of StarCore Nuclear Review Team for pebble-bed reactors ;
- IAEA Generic Reactor Safety Review (GRSR) Team Member ;
- IAEA expert for various IAEA assignments;

1997-2005

Lead Analysis Engineer in Engineering Service Division

NUCLEAR POWER PLANT KRŠKO, Vrbina 12, 8270 KRŠKO, SLOVENIA

- Deterministic and probabilistic safety analyses (design and beyond design bases accident);
- Modernization Program (SG replacement and power uprate);
- Preparation and execution of 1st Periodic Safety Review for Krško NPP;
- Member of Krško NPP Technical Support Centre;

1992-1997

Analysis Engineer in Engineering Service Division

NUCLEAR POWER PLANT KRŠKO, Vrbina 12, 8270 KRŠKO, SLOVENIA

- Deterministic and probabilistic safety analyses (design and beyond design bases accident)
- Equipment Qualification Analyses;
- Development and maintenance EOP and SAMG;
- Authorization of plant modification per 10CFR50.59;

1990-1992

System Engineer in Reactor Safety Group of Plant Technical and Operation Department

NUCLEAR POWER PLANT KRŠKO, Vrbina 12, 8270 KRŠKO, SLOVENIA

- Trained for PWR Operator, system operational analysis;

EDUCATION AND TRAINING

2018 -Now

PhD Study

University of Zagreb, Faculty of Electrical Engineering and Computing ,

1994-1996

MSc degree

- University of Zagreb, Faculty of Electrical Engineering and Computing ,
- 1985-1990 **BcS degree**
University of Zagreb, Faculty of Electrical Engineering and Computing
- 1990 -Now **Technical Trainings for various DSA/PSA Tools**
IAEA, ANL, Westinghouse, General Physics, IJS – Ljubljana, Fauske&Associates, SCIENTEC, Parsons, FORTUM, etc.
- User of RELAP5, MAAP, MELCOR, RiskSpectrum, CFX, etc.

ADDITIONAL INFORMATION

- Publications** over 70 scientific papers,
Book "Risk Importance Measures in the Design and Operation of Nuclear Power Plants "; Nuclear Engineering And Technology For The 21st Century - Monographs Series, Publisher: ASME, Publish Date: 2017, ISBN: 9780791861394.; I. Vrbanić (APOSS), P. Samanta (BHNL), I. Basic (APOSS);
- Technical Reports** over 100;
- Presentations** over 60 on various international conferences and IAEA workshops;
- Memberships** President of Croatian Nuclear Society (2016-2020), member of Slovenian Nuclear Society;
- Certificates** APOSS is authorized organization for Slovenian and Croatian Nuclear Safety Administration;

OTHER

- Detailed list of services and publications is available on <https://aposs.hr/publications/>