

Erol Bicer

Nuclear Engineer



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LANGUAGES

English • Turkish • Korean

SYSTEM CODES

RELAP5
GOTHIC
MARS-KS
SPACE
CAP

CFD CODES

OpenFOAM
CUPID

PROGRAMMING CODES

MATLAB
FORTRAN
C++
HTML/CSS

MISCELLANEOUS

DOS/UNIX
CATIA
Origin
ParaView
Mathcad
Git/GitHub
MS Office

PROFILE

Throughout my academic and professional career, I have focused on nuclear safety analyses at the plant, system, and component levels utilizing system safety analysis and computational fluid dynamics codes. I have experience with various baseload nuclear power plant technologies as well as small, and micro modular reactors.

EDUCATION

Nuclear Engineering, Ph.D., Seoul National University
2017 – present | Seoul, South Korea
Nuclear Power Plant Engineering, M.Sc., KINGS
2014 – 2016 | Ulsan, South Korea
Nuclear Energy Engineering, B.Sc., Hacettepe University
2008 – 2013 | Ankara, Turkey

PROFESSIONAL EXPERIENCE

FNC Technology Co., Ltd.
Associate Manager
2016 – present | Suwon, South Korea
Assistant Manager
2016 – 2019 | Suwon, South Korea
Bil-Plas Industry and Trade Co., Ltd., R&D Engineer
2013 – 2014 | Ankara, Turkey

CERTIFICATES

Modelling and Computation of Multiphase Flows
Swiss Federal Institute of Technology (ETH)
International Marketing, Business Knowledge and Intelligence
Ankara Chamber of Commerce (ATO)

AWARDS

International Atomic Energy Agency Fellowship, IAEA
Full Academic Scholarship, KINGS

MAIN PROJECTS

[SMR] Small and Micro Modular Reactors Technology Analyses
[PCCS] Conceptual Design and Development of Passive Containment Cooling System for APR1400
[SMART] System-Integrated Modular Advanced Reactor Passive Containment Cooling System
[PGSFR] Prototype Gen-IV Sodium-Cooled Fast Reactor Condition Analysis
[PAFS] Passive Auxiliary Feedwater System Development
[ATLAS] Determination of ATLAS Heat Loss and Improvement of MARS Model
[EUR] APR1000 PAFS Standard Design Development and EUR Certification Support
More information can be found here

PERSONAL VENTURES

Nuclear Industry Association of Turkey, Board of Directors
Turkish Chamber of Commerce in Korea, Co-Founder
Hacettepe Rugby Club, Founder