

Erol Bicer

Nuclear Engineer



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LANGUAGES

English • Turkish • Korean

SYSTEM CODES

RELAP5	
SNAP	
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 Project

[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 [🔗](#)

Liviboard, Co-Founder [🔗](#)

Hacettepe Rugby Club, Founder [🔗](#)