

# Erol Bicer

## Nuclear Engineer



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1989.09.29

LinkedIn

ResearchGate

### LANGUAGES

English ● ● ● ● ●  
Turkish ● ● ● ● ●  
Korean ● ● ● ● ●

### NUCLEAR TH SYSTEM CODES

RELAP5 ● ● ● ● ●  
SNAP ● ● ● ● ●  
GOTHIC ● ● ● ● ●  
MARS-KS ● ● ● ● ●  
SPACE ● ● ● ● ●  
CAP ● ● ● ● ●

### CFD CODES

OpenFOAM ● ● ● ● ●  
CUPID ● ● ● ● ●

### PROGRAMMING CODES

MATLAB ● ● ● ● ●  
FORTRAN ● ● ● ● ●  
C++ ● ● ● ● ●

### GENERAL SOFTWARE

DOS

UNIX

CATIA

OriginLab

ParaView

MS Office

Mathcad

### 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

**Associate Manager**, FNC Technology Co., Ltd. ☑

2016 – present | Suwon, South Korea

**R&D Engineer**, Bil-Plas Industry and Trade Co., Ltd. ☑

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

**[PCCS] Conceptual Design and Development of Passive Containment Cooling System for APR1400**

**[SMART] System-Integrated Modular Advanced Reactor Passive Containment Cooling System**

**[SMR] Small and Micro Modular Reactors Technology Analyses**

**[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 Input 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 ☑