

Ali Khalilian Motamed Bonab

PERSONAL DATA

PLACE AND DATE OF BIRTH: Bonab, Iran | 18 February 1995
ADDRESS: Danesh 6 Alley, Farmandari St, Bonab, East Azarbayjan, Iran
PHONE: +98 939 039 3589
EMAIL: Ali_Khalilian_Motamed@yahoo.com

EDUCATION

2013-Present **B.Sc. in MECHANICAL ENGINEERING**, Mechanical Engineering Department, University of Tabriz, Tabriz, Iran

TOTAL GPA:15.28/20 Last 2 Years GPA:16.54/20(3.42/4)

2009-2013 **Diploma in MATHEMATICS AND PHYSICS**, National Organization for Development of Exceptional Talents (NODET)

TOTAL GPA:17.84/20 (4/4)

SELECTED COURSES AND GRADES

Numerical Methods	17 out of 20
Dynamic of Machinery	20 out of 20(Top Score)
Computer Programming	20 out of 20(Top Score)
Automatic Control	17.5 out of 20
Introduction to Fuzzy Control	17.25 out of 20 (Top Score)
Strength of Material I	18.5 out of 20
Strength of Material II	17 out of 20
Fluid Mechanics I	18.92 out of 20

THESIS

TITLE Investigation of the Stress and Strain of a Gas Turbine Blade

SUPERVISORS Dr. M. Zehsaz, Professor of Mechanical Engineering Department, University of Tabriz
Dr. S. Hasanifard, Assistance Professor of Mechanical Engineering Department, University of Tabriz

GRADE 19 out of 20

PUBLICATIONS

- JULY 2016 Ali Khalilian Motamed Bonab, Jafar Keighobadi, Automatic Self-Guidance and Control of Satellites in Orbit, International Conference on Research in Science and Engineering, Istanbul University, Istanbul, Turkey
[Originally Persian]
- MAY 2016 Ali Khalilian Motamed Bonab, Checking the Number and Ordering of Elements in Modal Analysis of Aircraft Wing (NACA 0012) Finite Element Method, International Congress on Engineering Innovation and Technology Development, University of Tabriz, Tabriz, Iran
[Originally Persian]
- DECEMBER 2015 Ali Khalilian Motamed Bonab, Identifying and Comparing the Method of Multidisciplinary Design Optimization (MDO) and its Application in Aerospace Vehicles, International Conference of Science and Engineering, Dubai, UAE
[Originally Persian]

RESEARCH INTERESTS

Dynamic and Control, Adaptive Control, Fuzzy Control, Control Applications to Aerospace, Control Theories Applications on Robot, Intelligent Systems, Machine Learning, Game theory

PATENTS

- JUNE 2017 [Under Review] Ali Khalilian Motamed Bonab, Hasan Biglari, Akbar Rasouljan, Babak Jahangiri, 3D Virtual Display of Mobile Gadget, National Invention Organization
- FEBRUARY 2017 [On Preparation] Ali Khalilian Motamed Bonab, Portable Device for the Production of Smoked Yellow Raisins, National Invention Organization
- JUNE 2015 [Under Review] Ali Khalilian Motamed Bonab, Hasan Biglari, Firefighter Hexarotor with High Pressure Capsule and with Controllable Stands and Arms, National Invention Organization

COMPUTER SKILLS

Advanced: MATLAB, ANSYS Workbench, \LaTeX , CATIA, Visio, EndNote

Intermediate: FORTRAN, Simulink, C++, SOLIDWORKS

Basic: Proteus

LANGUAGES

ENGLISH: Fluent
TURKISH(Azerbaijani): Mother Tongue
TURKISH(Turkey): Upper Intermediate
PERSIAN: National Language
ARABIC: Basic

ACHIEVEMENT

- DECEMBER 2016 Proposal Accepted as Chosen Ideas, Second Provincial Festival of Shetab
- OCTOBER 2016 Student Membership in the ISME
- MAY 2016 Proposal Accepted as Best Ideas, In International Congress on Engineering Innovation and Technology Development, Tabriz University, Tabriz, Iran
- AUGUST 2015 Attended in the Modern Achievements on Aerospace and Related Sciences Conferences, University of Tehran, Tehran, Iran
- DECEMBER 2015 Attended in Introductory Robotics Course
- MAY 2014 Proposal Accepted as Chosen Ideas, First Best Idea Festival of University of Tabriz
- MAY 2014 Attended in Academic Essay Writing Workshop
- JUNE 2013 Ranked in Top 4% Among more than 250000 participants of the whole country, University Entrance Exam, NOET, Iran
- MAY 2012 Ranked First in Provincial Olympiad in Computer Course
- MAY 2011 Ranked Second in Provincial Olympiad in Mathematics Course
- MAY 2011 Ranked First and Awarded Medal of Honor in Tolu-e-Esteghlal-Elmi National Festival
- APRIL 2011 Presented Programming Project in Ave-Sina National Festival
- MARCH 2011 Selected Student in the First Round of the National Computer Olympiad

WORK EXPERIENCE

- 2017-PRESENT | Director and Counselor of Patent Edition and Submission team at AZERBAIJAN SMART STRUCTURE DEVELOPMENT KNOWLEDGE-BASED COMPANY, Tabriz,Iran
- 2017-PRESENT | Member of Research and Development Sector at AZERBAIJAN SMART STRUCTURE DEVELOPMENT KNOWLEDGE-BASED COMPANY, Tabriz,Iran
- 2014-2015 | Assistance of Engineer at JAVID STEEL COMPANY, Bonab, Iran

INDUSTRIAL PROJECTS

- MARCH 2015 Mortaza Babaei, Ali Khalilian Motamed Bonab, Designing and Operation of Rolling Device Controlled by Pneumatic System , Javid Steel Company, Bonab Industrial Zone, Bonab, Iran
- NOVEMBER 2014 Mortaza Babaei, Ali Khalilian Motamed Bonab, Evaluation of Stress and Strain of Shaft and Gears so as to Change Gearbox Gears with ANSYS Workbench, Javid Steel Company, Bonab Industrial Zone, Bonab, Iran