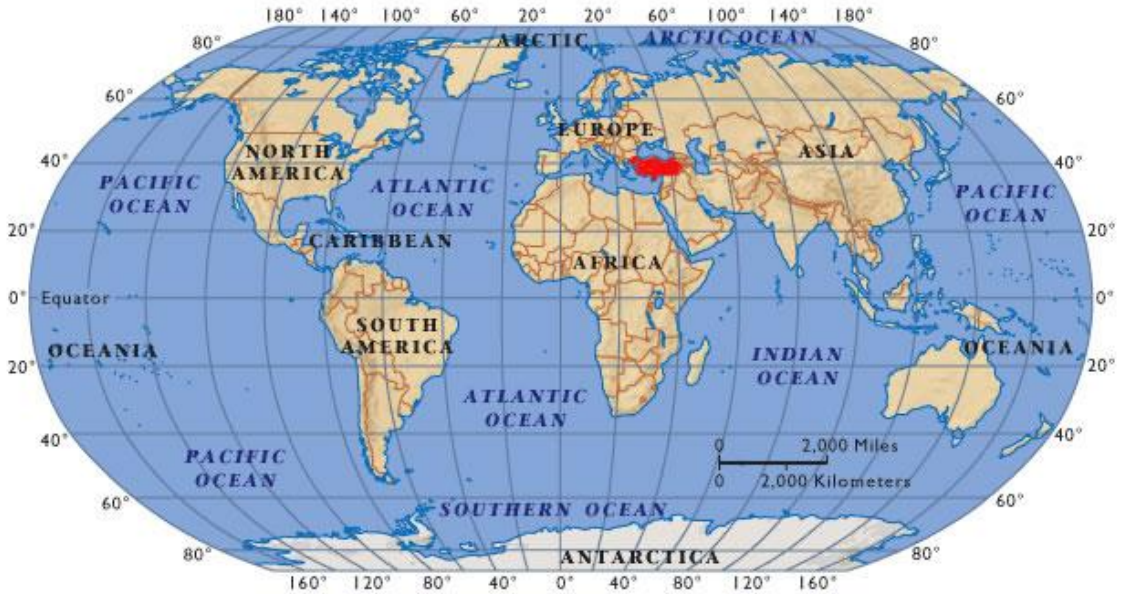
# FIRAT UNIVERSITY
# COLLEGE OF TECHNOLOGY
# DEPT. OF SOFTWARE ENGINEERING

**Prof. Dr. Asaf Varol**

**Firat University, Turkey**

# FIRAT UNIVERSITY

# * Where is Turkey?




# * Where is Firat University?

# Our Beloved University – Quick Glance

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# Our Beloved University – Quick Glance

Rector
Prof. Dr. Kutbeddin Demirdağ

# Vice Rectors of Firat University

## Vice Rectors

| | | |
|---|---|---|
| | | |
| Vice Rector | Vice Rector | Vice Rector |
| Prof. Dr. Sadettin TANYILDIZI | Prof. Dr. Mehmet CEBECİ | Prof. Dr. Halil HASAR |

# Firat University – Facts & Figures

- Was founded in 1975 (Actually as Academy in 1967).
- Located in Elazig, East Anatolia of Turkey.
- 17 Faculties, 4 Institutes, 3 Graduate Schools, 9 Vocational Schools, 3 Departments affiliated to the Rectorate.
- 360 Professors, 191 Associate Professors, 355 Assistant Professors, and 922 Lecturers and other academic staff (Total: 1828)
- 1535 Administrative staff
- 42000 Undergraduate students – 196 Internationals
- 3553 Postgraduate students – 180 Internationals

# Technology Faculty

- Established in 2009
- 9 Distinguished Departments
- 6th place according to Turkish university ranking in 2017.

**Dean**
**Prof. Dr. Hakan AKPOLAT**

**Energy Systems Engineering**
**Department Chairman**
**Prof. Dr. Mehmet ESEN**

**Mechanical Engineering**
**Department Chairman**
**Prof. Dr. Vedat SAVAŞ**

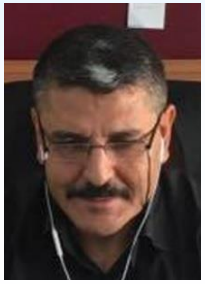
**Metallurgy & Material Engineering**
**Department Chairman**
**Prof. Dr. Sermin OZAN**

**Software Engineering**
**Department Chairman**
**Prof. Dr. Asaf VAROL**

**Electric-Electronic**
**Department Chairman**
**Prof. Dr. Zafer AYDOĞMUŞ**

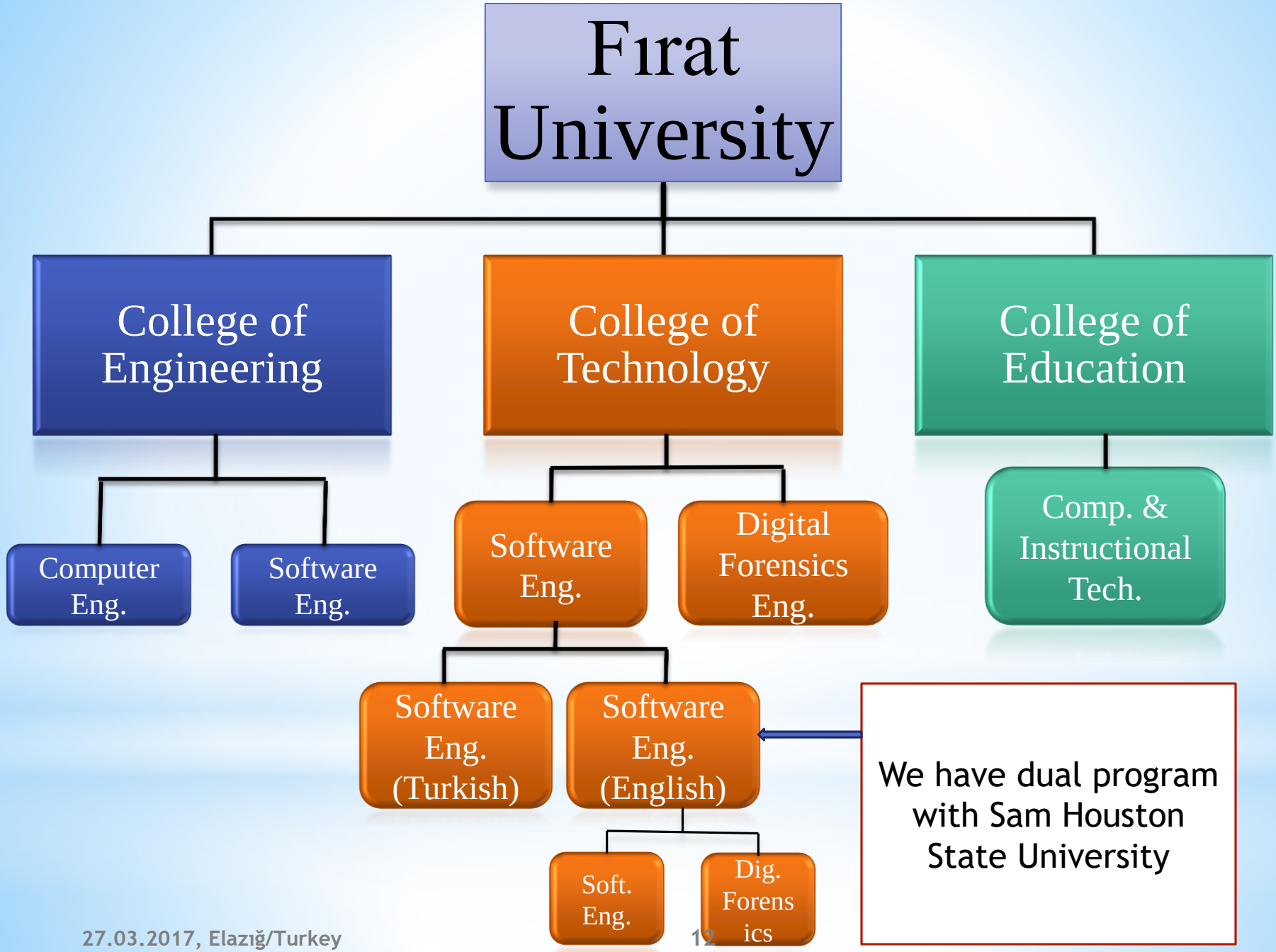
**Civil Engineering**
**Department Chairman**
**Prof. Dr. U. Teoman AKSOY**

**Mechatronics Engineering**
**Department Chairman**
**Assoc. Pr. Dr. Mehmet CAVAŞ**



**Automotive Engineering**
**Department Chairman**
**Prof. Dr. Yasin VAROL**

**Department of Digital Forensics**
**Department Chairman**
**Assoc. Prof. Dr. Mustafa KAYA**


Fırat University
College of Engineering
College of Technology
College of Education
Computer Eng.
Software Eng.
Software Eng.
Digital Forensics Eng.
Comp. & Instructional Tech.
Software Eng. (Turkish)
Software Eng. (English)
Soft. Eng.
Dig. Forens ics
We have dual program with Sam Houston State University

# * STUDENT NUMBERS IN FIELD OF COMPUTER RELATED FIELDS (undergraduate)

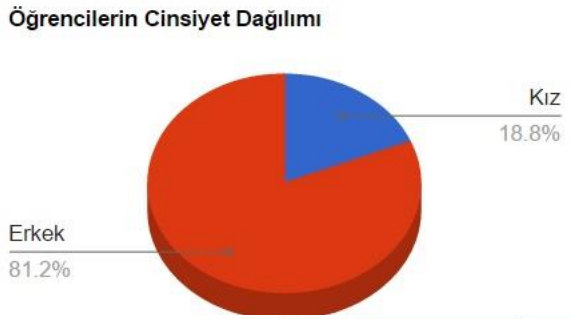
* Firat University
* University Size: More than 42000 students
  * Software Engineering at College of Technology (1058 students)
  * Computer Engineering at College of Engineering (982 students)
  * Software Engineering at College of Engineering (121 students)
  * Digital Forensics Engineering at College of Technology (228 students)
  * Computer and Instructional Techn. at College of Education, (298 st.)
* PhD and MSc Programs: Software Engineering at Technology, and Computer Engineering at College of Engineering
* TOTAL NUMBER OF STUDENTS: 2687

## GÜNDÜZ

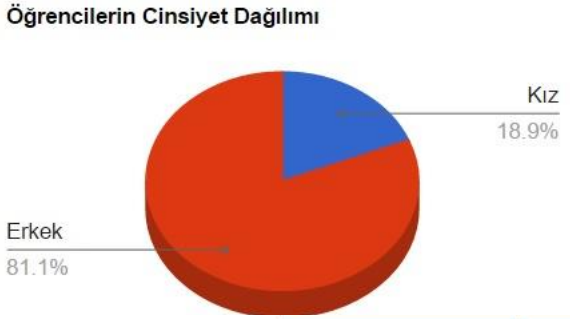
| | Kayıtlı Öğrenci Sayısı | % Oran |
|---|---|---|
| **Toplam** | **426** | **% 100,0** |
| Kız | 80 | % 18,8 |
| Erkek | 346 | % 81,2 |

## GECE

| | Kayıtlı Öğrenci Sayısı | % Oran |
|---|---|---|
| **Toplam** | **376** | **% 100,0** |
| Kız | 71 | % 18,9 |
| Erkek | 305 | % 81,1 |




2016 yılı verileri

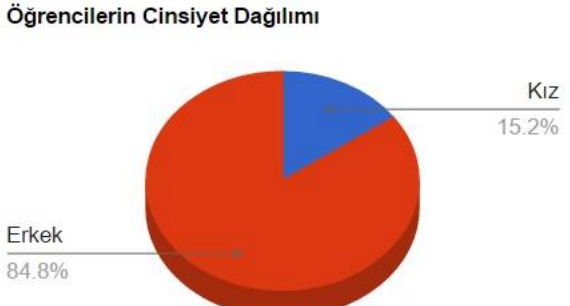



## MTOK

| | Kayıtlı Öğrenci Sayısı | % Oran |
|---|---|---|
| **Toplam** | **97** | **% 100,0** |
| Kız | 16 | % 16,5 |
| Erkek | 81 | % 83,5 |

## UOLP

| | Kayıtlı Öğrenci Sayısı | % Oran |
|---|---|---|
| **Toplam** | **99** | **% 100,0** |
| Kız | 15 | % 15,2 |
| Erkek | 84 | % 84,8 |



# Software Engineering Department

Chairman
Prof. Dr. Asaf VAROL

Vice-Chairman
Assoc. Prof. Dr. Resul DAŞ

Vice-Chairman
Assoc. Prof. Dr. Murat KARABATAK

Prof. Dr. TÜRKOĞLU

Prof. Dr. Engin AVCI

Assoc.Prf.Dr. TANYILDIZI

Assist.Prf.Dr. ÖZKAYNAK

Lecturer HARBAWI

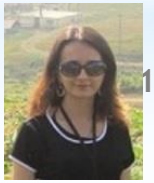
Res. Assist. BAYKARA

Res. Assist. GÜLER

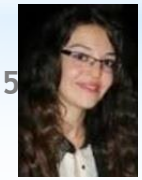
Res. Assist. YILDIRIM

Res. Assist. ALTAY

Res. Assist. KARAKUŞ



Res. Assist. Elif VAROL



Res. Assist. ALAKUŞ

Res. Assist. BAYDOĞAN

Res. Assist. BİLEN

Res. Assist. Özlem Özmen

Res. Assist. Miktat Aktaş

# The Number of Faculty

| Title | | | | |
|---|---|---|---|---|
| Prof. Dr. | 3 | | | |
| Assoc. Pr. Dr. | 3 | | | |
| Assist. Pr. Dr. | 1 | | | |
| Dr. | 1 | | | |

# The Research Assistants

Research Assistants

Graduate Scholarship (Article 35. Of the law 2547)

Research Assistants (ÖYP)

Scholarships of HEC (YÖK) of Turkey

| Özlem Özmen | Miktat Aktaş |
|---|---|

# Software Engineering Department – Cont…

## Facts & Figures (Programs & Students)

- Established in 2009.
- 104 Graduate + PhD students – 40 foreign students

# Software Engineering Department – Cont…

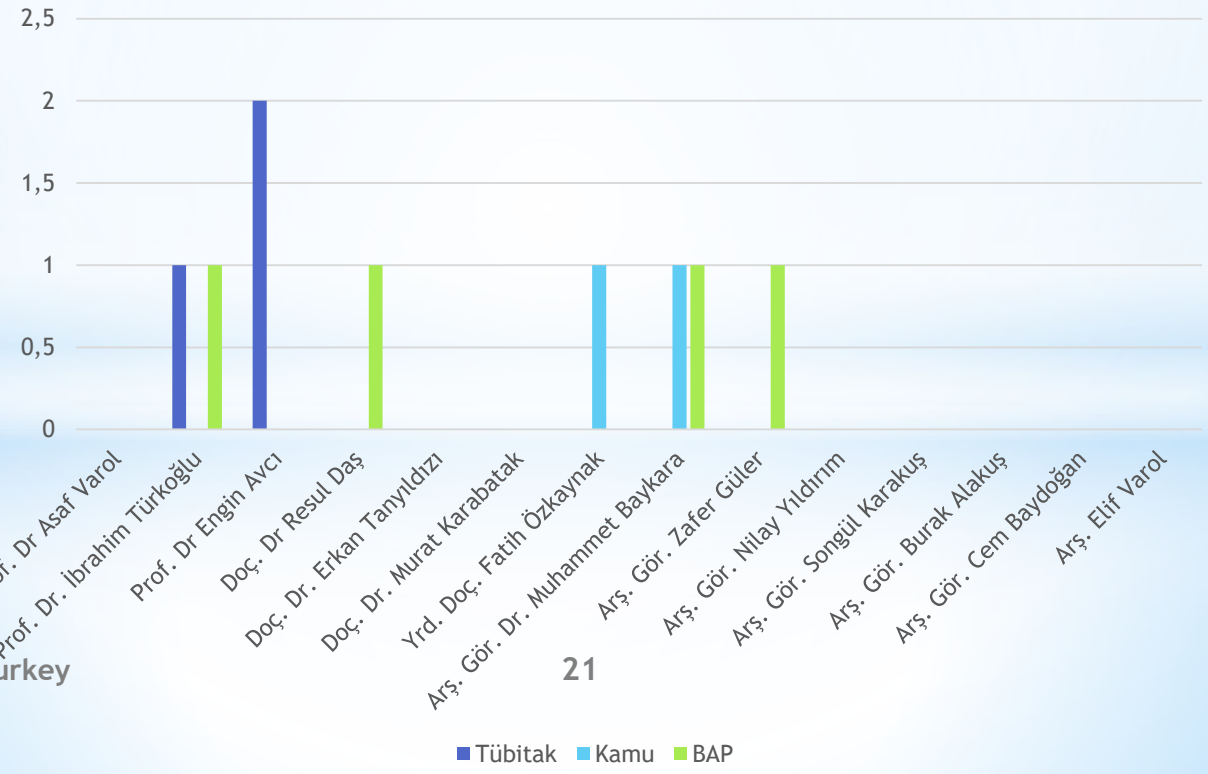
## Facts & Figures (Programs & Students - Cont…)

- We have 1136 (undergraduate + graduate students)

# Number of Students

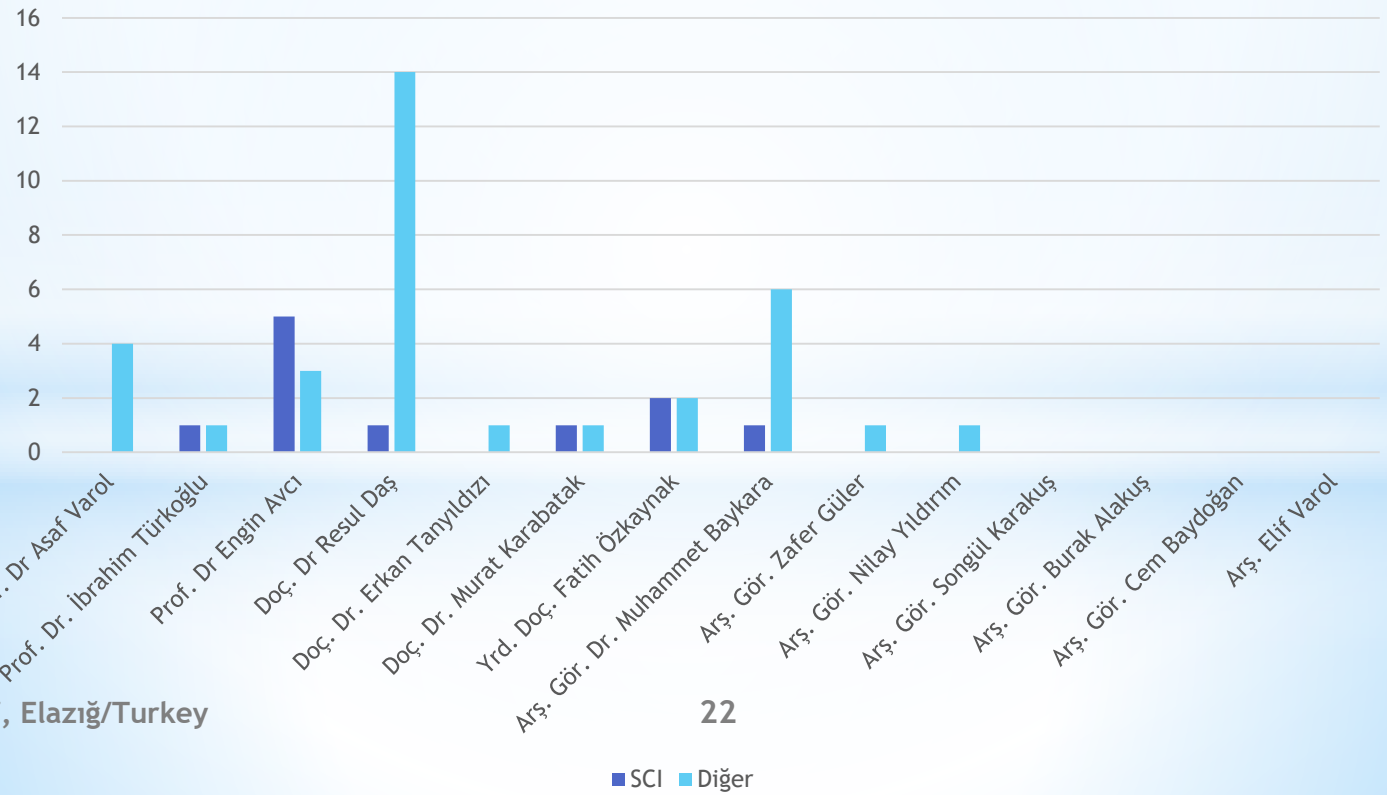
| | | |
|---|---|---|
| Software Engineering (Daytime and night educations) | : | 750 |
| Software Engineering (MTOK) | : | 183 |
| Software Engineering (UOLP) | : | 99 |
| Graduate (37 foreign students) | : | 81 |
| PhD (3 foreign students) | : | 23 |
| Total | : | 1136 |

* Total Income: ~650.000 TL
  * 3 TÜBİTAK projects
  * 1 Techno- Entrepreneurship
  * 4 BAP projects
  * 1 Public fund



# JOURNAL PUBLICATIONS

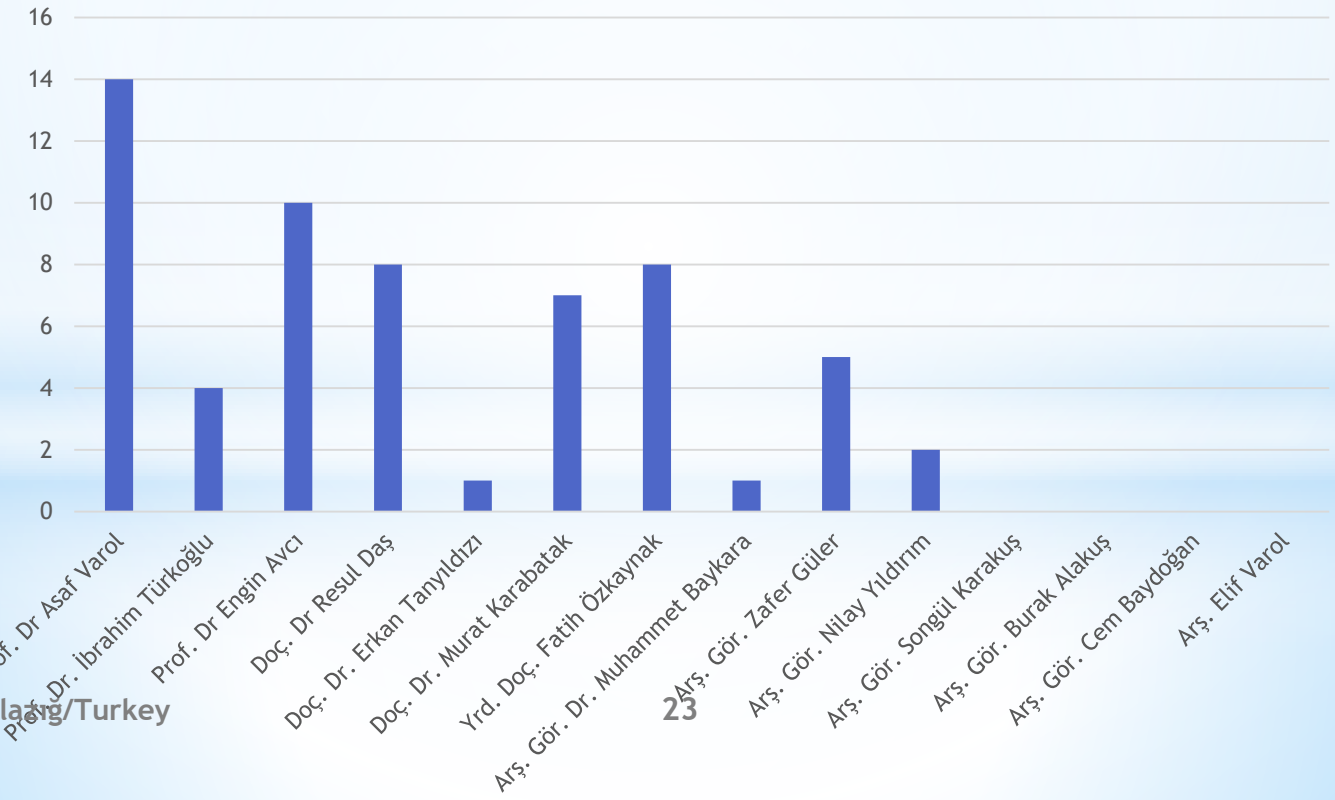
- Publications (SCI and SCI-E included) : 11 publications
- Other indexed publications : 41 publications
- Per capita rate in terms of publication : 7.4



# *PROCEEDINGS

*A total of 61 papers were published.

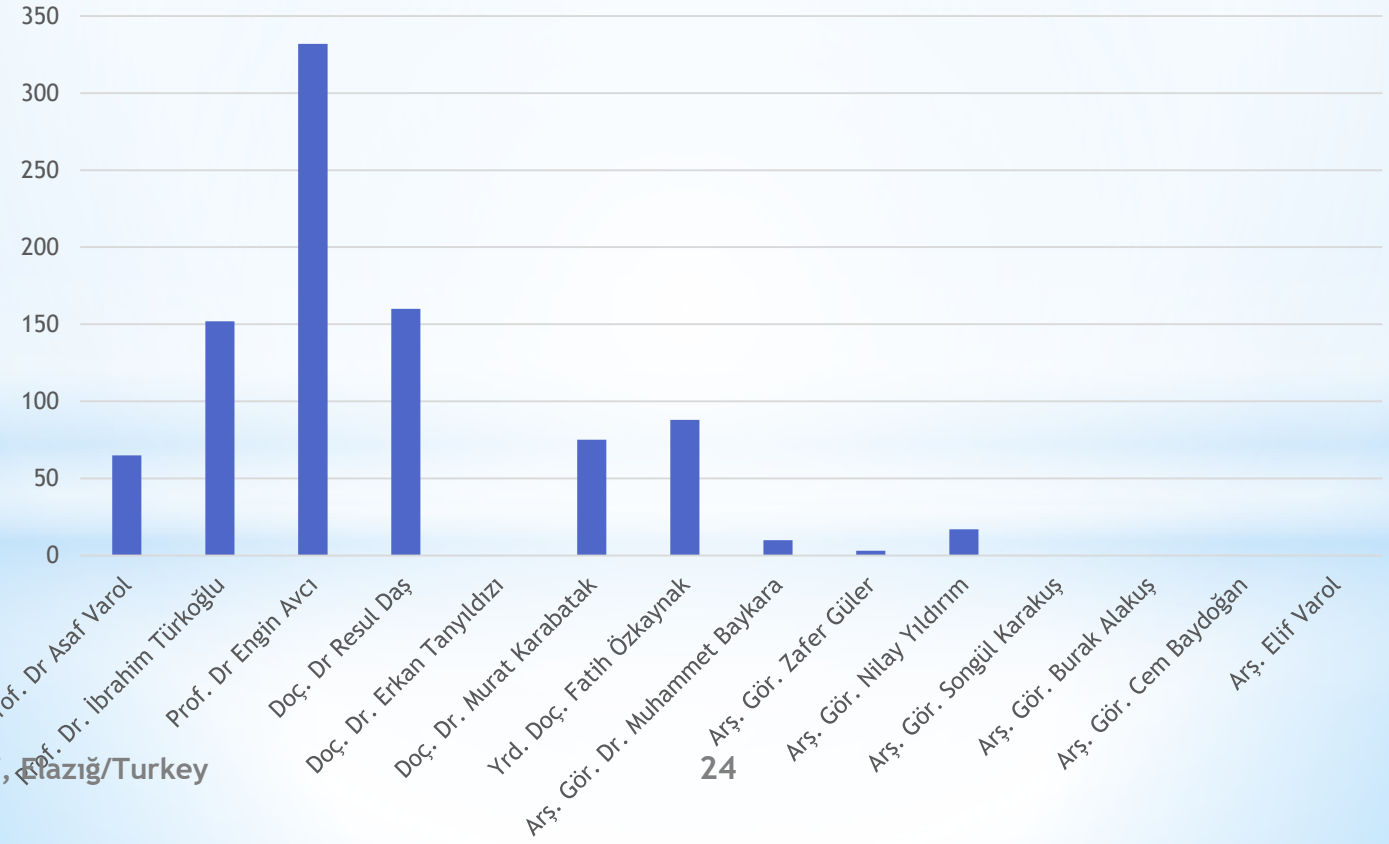
*Per capita rate in terms of publication : 8.7



# *CITATIONS

*Total number of citations 902

*Per capita rate in terms of citations : 128,8



# Patents

- We have two patent applications.
  - Prof. Dr. İbrahim Türkoğlu
  - Prof. Dr. Engin Avcı

# Awards

- 2 awards
  - Prof. Dr. Asaf Varol
- 2 Best paper awards
  - Prof. Dr. Engin Avcı
  - Yrd. Doç. Dr. Fatih Özkaynak

Special Recognition Award

Dr. ASAF VAROL
Firat University, Turkey

For collaboration in dual academic degrees between
Software Engineering Department in the College of Technology at Firat University, Turkey and the
Department of Computer Science in the College of Sciences at Sam Houston State University.

Given this day, April 22, 2016

Dr. Jaimie Hebert
Provost and Vice President of Academic Affairs

Dr. John Pascarella
Dean, College of Sciences

Dr. Peter Cooper
Chair, Computer Science

Sam Houston State University

Recognition Award

This is to certify that

Asaf Varol, PhD

has been duly recognized for his leadership as founder of the International Symposium on Digital Forensics and Security

April 25-27, 2016

Dr. Coskun Bayrak
General Chair of ISDFS2016

ISDFS 2016

Dr. Yusuf Ozturk
General Co-Chair of ISDFS2016

NETAS

LINK®
BİLGİSAYAR_

Triodor
software

roketsan

HAVELSAN

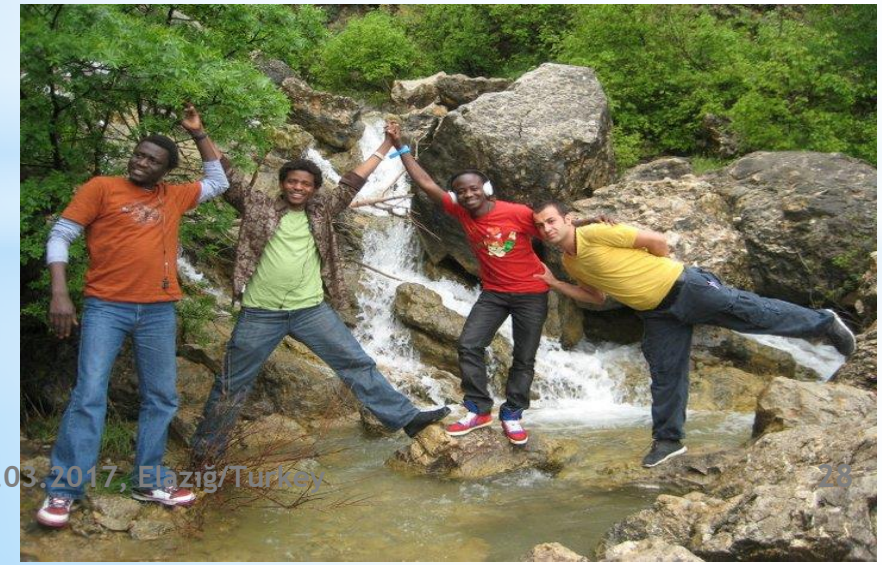
Işbi

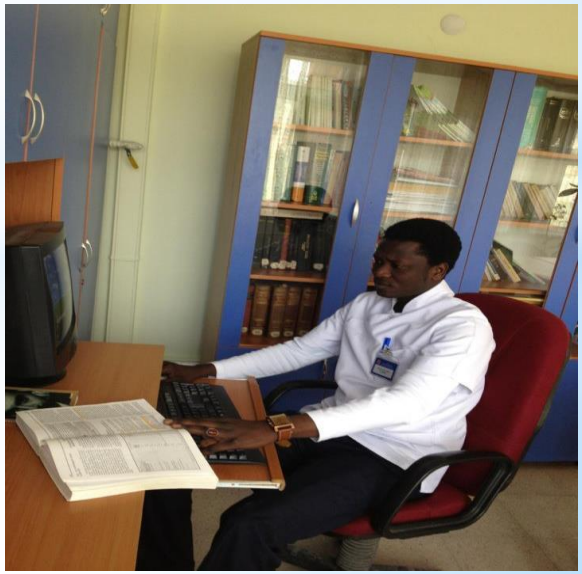
Labris
NETWORKS

# Software Engineering Department – Cont…

## Facts & Figures (Programs & Students - Cont…)

- Dual Degree Program (UOLP- Sam Houston State University):
  - Established in 2012; In collaboration with Sam Houston State University (SHSU).
  - 1(English Preparatory Level) + 2 (FU) + 2 (SHSU).
  - 99 students at Firat University 23 students at SHSU, 12 students will graduate in May 2017.
  - Dual certificates are granted upon accomplishing the program.





# Software Engineering Department – Cont…

## Facts & Figures (Facilities & Industrial Collaborations)

- The Department is furnished with two computer labs.
- The labs are equipped by 40 computers provided with all needed specialized software sets (full license from Microsoft).
- Industrial Collaboration:
  - Two (Summer Session) Internship.
  - Practical Training in the last year (Spring/Fall sem.) – Key difference from Engineering Faculty Programs.
  - The collaboration is mainly with:
    - Triodor – Netaş – Kentkart – Sensormatic - Roketsan
    -

# Software Engineering Department – Cont…

## Facts & Figures (Academic Collaborations)

- UG Dual Degree with SHSU.
- Mutual Agreements for Exchange Students with the following universities:
  - University of Arkansas – USA.
  - West Virginia University – USA.
  - Wilkes University – USA.
  - TELUQ – Canada.
  - McMaster University – Canada.
  - University of Sunderland – UK.
  - University of Bradford – UK.
  - Petru Maior University – Romania.
  - Polytechnic Institute of Cavado Ave – Portugal.

# *ISDFS 2017

IEEE
5th International Symposium on Digital Forensic and Security
ISDFS 2017
April 26-28, 2017 - Tîrgu Mureș
in collaboration with
IPCA
5th International Symposium on Digital Forensics and Security
ISDFS 2017

# Members of Graduate Study at Software Engineering

**Chair**
**Prof. Dr. Asaf Varol**

Prof. Dr. İbrahim TÜRKOĞLU

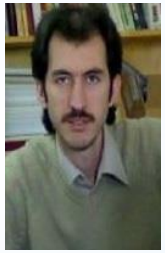
Prof. Dr. Engin AVCI

Assoc. Prof. Dr. Bilal ALATAŞ

Assoc. Prof. Dr. Resul DAŞ

Assoc. Prof. Dr. Erkan TANYILDIZI

Assoc. Prof. Dr. Murat KARABATAK



Assist. Prof. Dr. Mustafa ULAŞ

Assist. Prof. Dr. Seda TUNCER

Assist. Prof. Dr. Fatih ÖZKAYNAK

Assist. Prof. Dr. Özgür KARADUMAN

# *THANK YOU!

varol.asaf@gmail.com