PHYSICS MATTERS On-line Colloquia Series



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IRAN

Establishment history	
Median Empire	<u>c.</u> 678 BC
Achaemenid Empire	550 BC
Parthian Empire	247 BC
Sasanian Empire	224 AD ^[4]
Buyid dynasty	934
Safavid Iran	1501 ^[5]
 Afsharid dynasty 	1736
 Zand dynasty 	1751
• Qajar Iran	1796
Pahlavi Iran	15 December 1925
 Islamic Revolution 	11 February 1979
 Current constitution 	3 December 1979
Latest amendment	28 July 1989
Area	
• Total	1,648,195 km ²
	(636,372 sq mi) (17th)
• Water (%)	1.63 (as of 2015) ^[6]
Population	
• 2019 estimate	▲ 83,183,741 ^[7] (17th)
• Density	48/km ² (124.3/sq mi) (162nd)





Establishment of the first modern university

University of Tehran



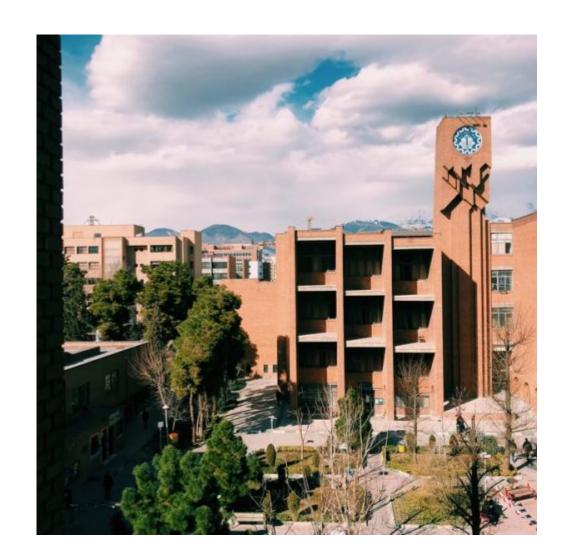


1851: As a teacher training center

1934: As the first modern university of Iran

Department of physics as part of the Faculty of Science.

Sharif University of Technology





1966:

Engineering Departments

Plus

3 Basic science Departments, Mathematics, Physics and Chemistry

In 1983

- 15 Universities (~ Physics departments)
- Less than 80 physicists (PhD degree) (some had left the country after revolution)
- A couple of universities had graduate programs (just M.Sc.)
- No PhD Program
- Published papers: < 10/year

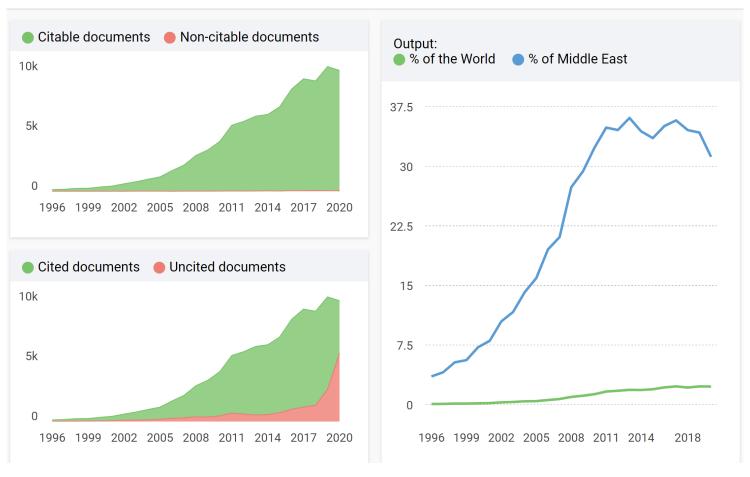
The first PhD graduates in Physics



1993

Sharif University of Technology

New Physicists arrive!



Ranked 14 in the world according to SJR for the numbers of documents, and 16 for citations.

Physics Society of Iran (PSI)

PSI with more than 12000 members (just compare to 43 in 1983).

- More than 3000 members with a university degree of Master or PhD.
- Many spinoffs societies:
 - Astronomical Society of Iran
 - Vacuum Society of Iran
 - Iranian Society for Optics and Photonics
 - Geophysical Society of Iran
 - Society for Nuclear Physics and Technology

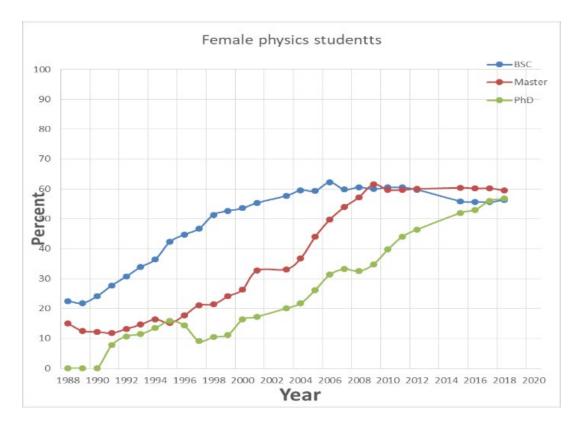
Some data on PSI activities

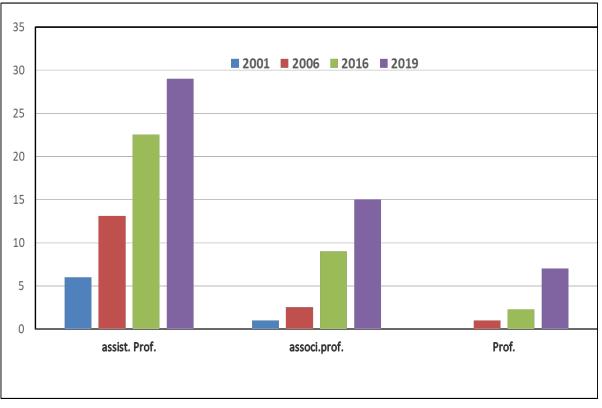
- Number of annual meetings, workshops, and webinars: ~100
- Number of PSI prizes: 7
- Number of Committees: 6
- Number of divisions and for
 - Forum of Women in Physics



Women in Physics?

From the report presented in IUPAP meeting by: Azam Iraji zad, Saba Mosivand





Professional Life in Iran as a physicist is hard!

- Hard and time consuming visa process to attend international activities.
- Almost no way to transfer fees for conferences, open access journals, or societies membership.
- Very difficult ways to buy material or instrument. Sometimes impossible.
- In case of international supports, no way to receive them.
- Rejection of papers with an affiliation in Iran is not an exception.

Just to imagine:

Dear Dr.

Thank you for submitting your manuscript.....

During routine processing of your manuscript, it was recognized that one or more authors are affiliated with

that is mentioned in the sanctions lists presently provided by the USA, the EU, the UK,

Unfortunately, these legal constraints preclude us from further consideration of your manuscript.

Acknowledgement

Thanks to APS

Thanks to Reza Mansouri and Azam Iraji Zad for their comments and sharing data.

And

Thank you for your attention