OVERVIEW PRESENTATION OF SHAHID BEHESHTI UNIVERSITY (SBU) INTERNATIONAL SCIENTIFIC RELATIONS OFFICE ACTIVITIES WITH REGARD TO SWITZERLAND

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Dr. Kaveh Bazargan

Shahid Beheshti University

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int-re@sbu.ac.ir

We engage in boardening the frontiers of knowledge

- *We engage in **boardening the frontiers of knowledge** by **offering unique opportunities in education and research**, employing all necessary means in order to **develop the required skills** and **enhance the power to think analytically** and **argue persuasively**.*

- *This shall be resulting in **self-confidence** and **expertise** in our students and faculty members as a **team** in the **ever-growing era of information technology**.*

SBU History and Campuses

- SBU established in 1959 (The ex- National University of Iran),

SBU Campuses:

1. SBU Main Campus
2. SBU Ekbatan Campus
3. SBU Abbaspour Campus
4. SBU Zirab Campus

Overall, SBU is 129.5 hectares and comprises of 57 major buildings.

Overview of SBU Faculties

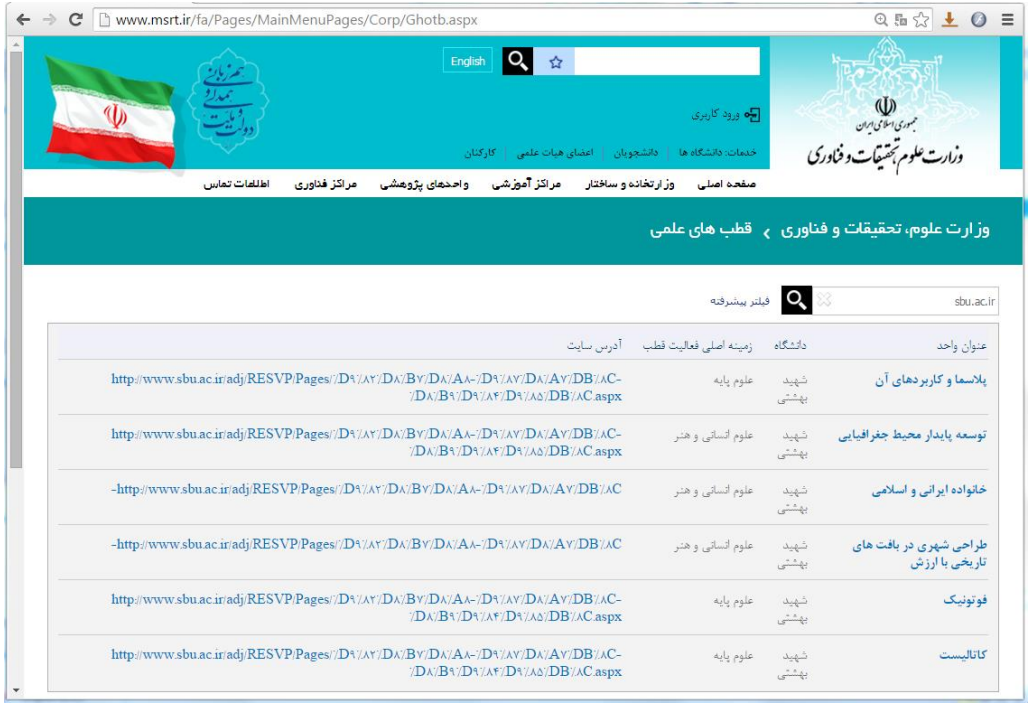
1. Faculty of Architecture and Urban Planning
2. Faculty of Biology
3. Faculty of Chemistry
4. Faculty of Computer Engineering
5. Faculty of Earth Sciences
6. Faculty of Economics and Political Sciences
7. Faculty of Education and Psychology
8. Faculty of Electrical Engineering
9. Faculty of Law
10. Faculty of Literature and Humanities
11. Faculty of Management and Accounting
12. Faculty of Mathematics
13. Faculty of Mechanical and Energy Systems Engineering
14. Faculty of the Engineering of the New Technologies
15. Faculty of Nuclear Engineering
16. Faculty of Physical Education & Sport Sciences
17. Faculty of Physics
18. Faculty of Theology and Religion Studies
19. Faculty of Water and Environmental Engineering

Overview of SBU Research Institutes and Centers

1. Archives and Documents Center
2. Analysis and Identification of Chemical Matters Center
3. Brain and Cognitive Sciences Research Institute
4. Center for Remote Sensing and Geographical Information System
5. Center of Research and Development of Waqf
6. Cyberspace Research Institute
7. Environmental Sciences Research Institute
8. Family Research Institute
9. Fundamental Technology and Science Research Institute
10. Islamic Economy Research Center
11. Laser and Plasma Research Institute
12. Medicinal Plants and Drugs Research Institute
13. Protein Research Center
14. Regional Studies Research Institute
15. Quran Miracle Research Institute
16. Technology Units and Incubator
17. UNESCO Chair for Human Rights, Peace and Democracy
18. Unconventional Water Harvesting Center

Overview of SBU Centers of Excellence

1. Plasma
2. Photonic
3. Catalist
4. Architecture & Urban Design
5. Sustainable Development
6. Iran History



Overview of Transdisciplinary Programs

1. NBIC (Nano Bio Information Science Cognitive Science)
2. WEA (Wather Energy Environment)
3. Good Governance
4. Digital Humanities

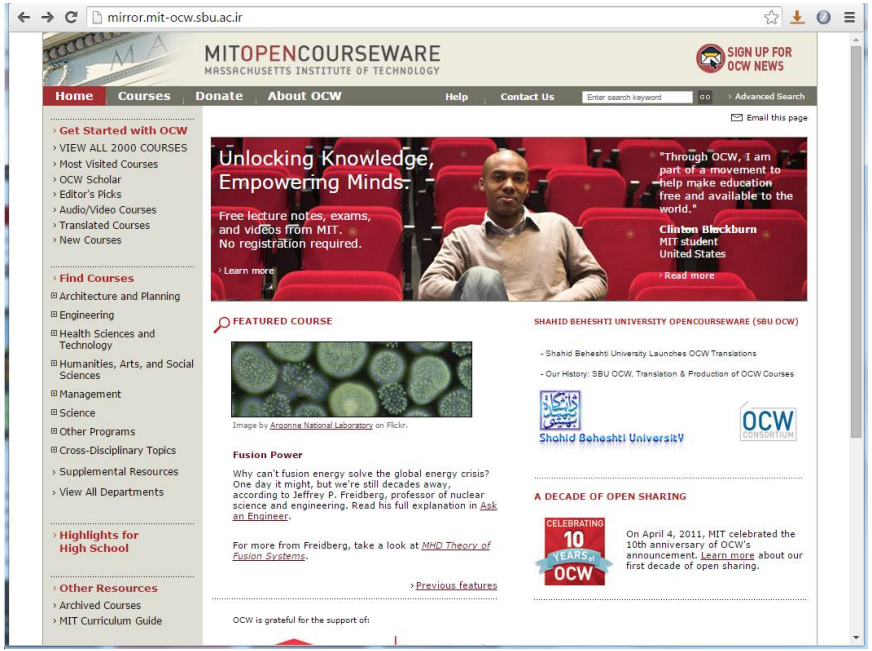
Key SBU Initiatives and Innovative Online Services

Priority Domains for International Scientific Collaboration with Switzerland

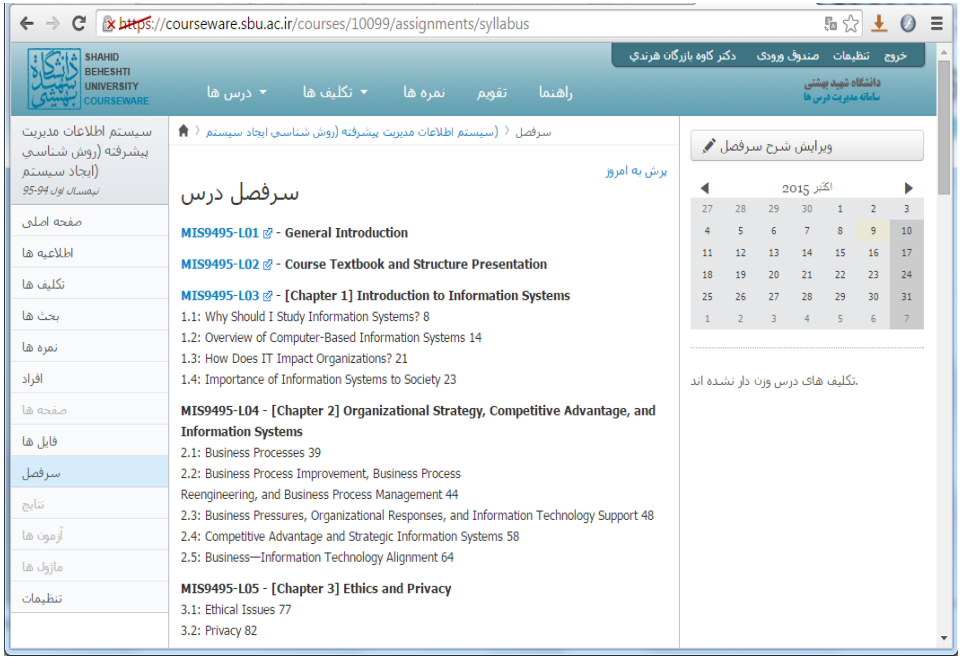
According to the latest information, Swiss H.E. Institutions are particularly interested in the bilateral exploration of new avenues of collaboration in the following fields with the I.R. of IRAN:

- **Massive Open Online Courses (MOOCs),**
- **Governance,**
- **Digital Humanities, Sociotechnical Systems, Innovation**
- **Medecine,**
- **Sustainable Development / Energy / Nuclear Fusion,**
- **Space.**

SBU's past committement to MOOCs and present committement to OERs

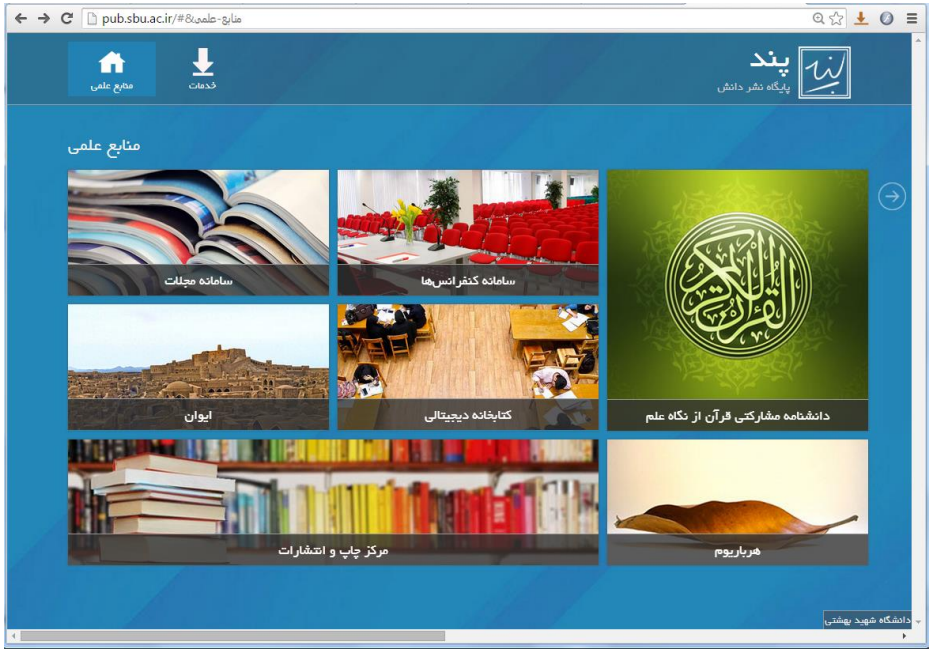


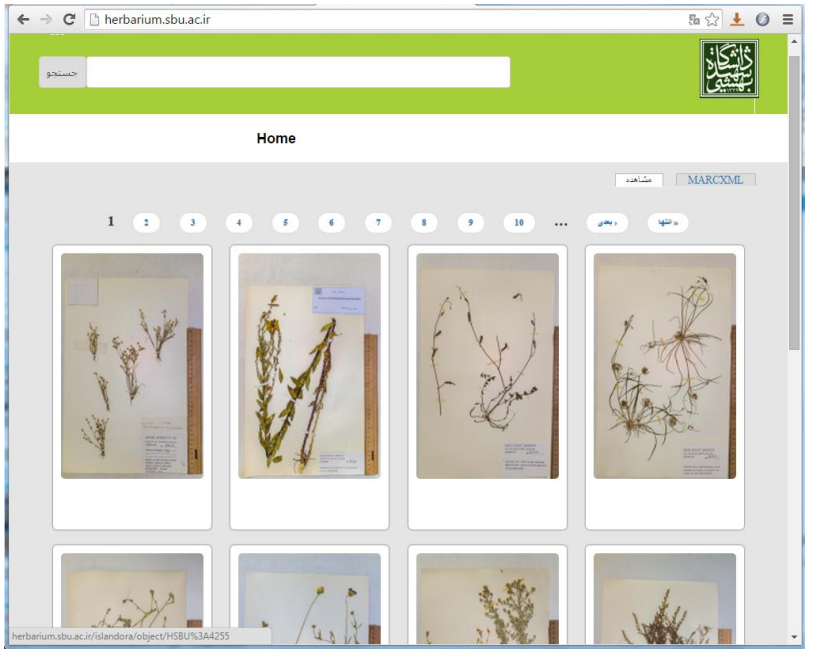
http://mirror.mit-ocw.sbu.ac.ir/



https://courseware.sbu.ac.ir

SBU's present commitement to Data Science

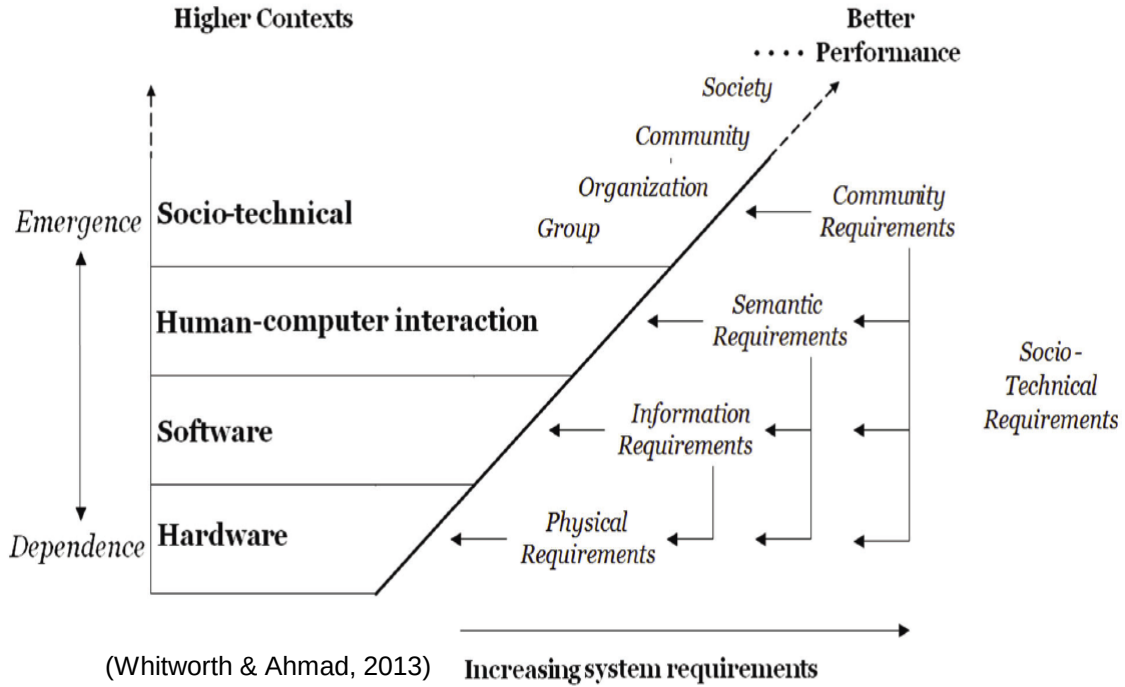




http://pub.sbu.ac.ir

http://herbarium.sbu.ac.ir

SBU's strong emerging and unique commitement to Digital Humanities



(Whitworth & Ahmad, 2013)

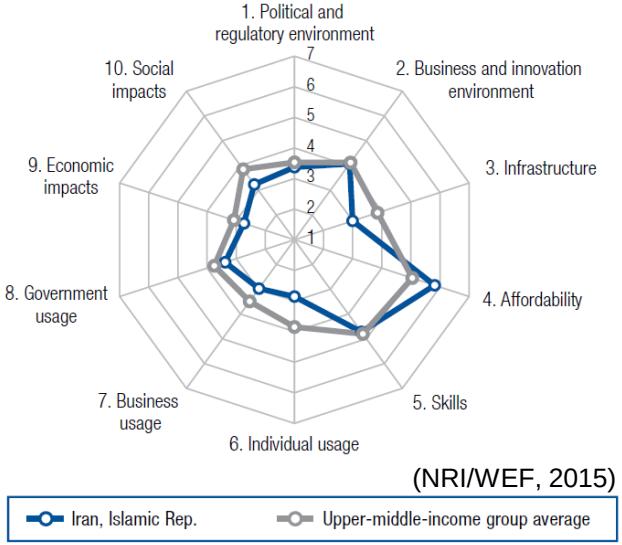
ACM SIGCHI IRAN Chapter
(Special Interest Group on Computer-Human Interaction)

Charter Date: 17-Oct-14
Chair: Dr. Kaveh Bazargan
Department of Sociotechnical Systems Management
Faculty of Management & Accounting
Shahid Beheshti University
Tehran, I.R. of Iran 1983969411
E-mail: k_bazargan@sbu.ac.ir
Phone:+98 21 29 90 52 17
Web: http://www.sigchi.ir

SBU's strong emerging and unique commitement to Digital Humanities

ICT services provided to students

Usage challenges & gaps

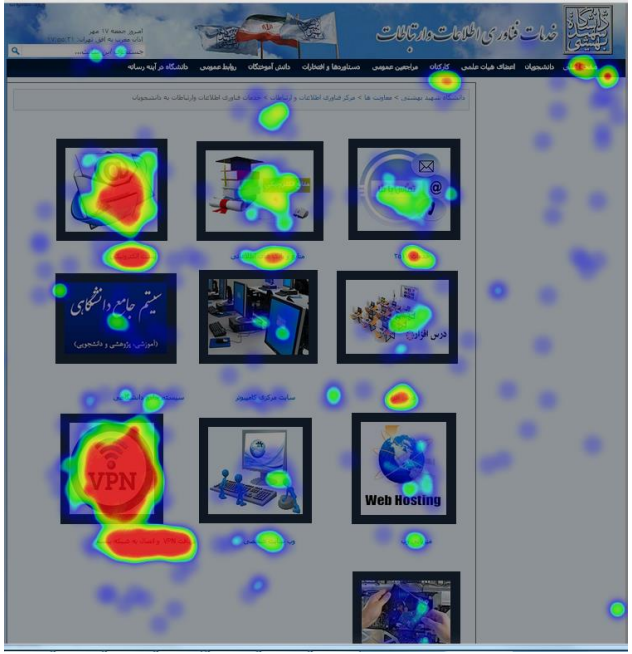


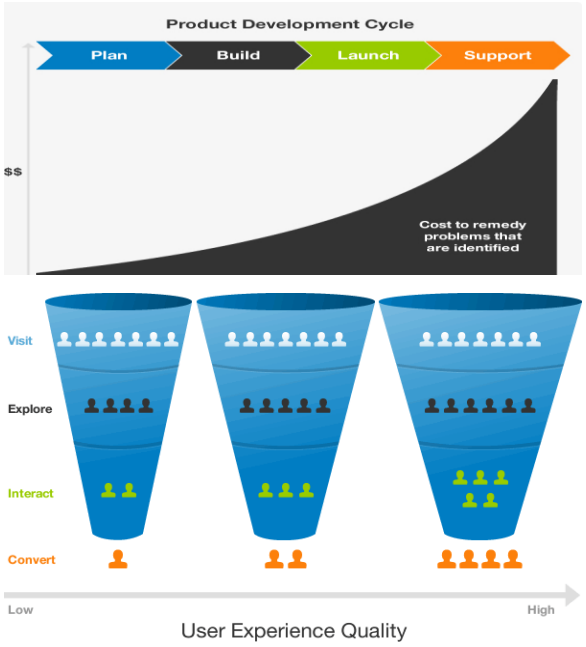
(NRI/WEF, 2015)

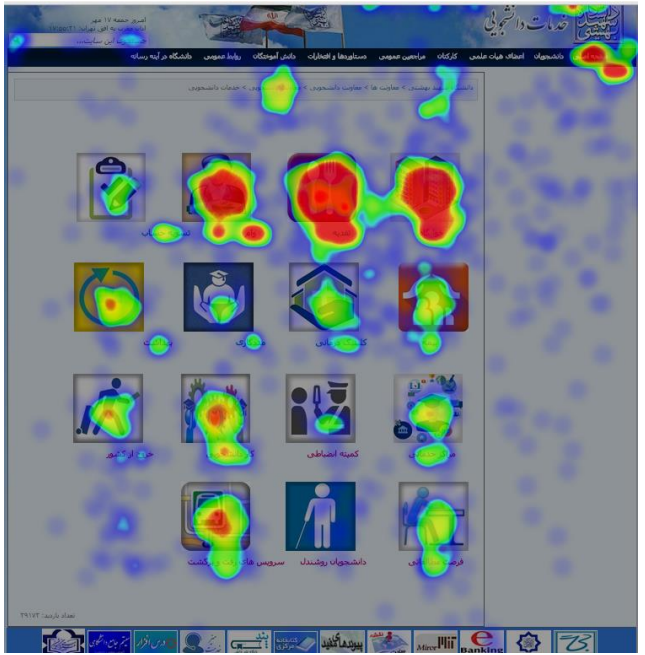
General services provided to students

SBU's strong emerging and unique commitement to Digital Humanities

Visualization of end-user real-time analytics & usage heatmaps (data range:last 28 days)







Educational Bodies

swissuniversities

Rectors' Conference of Swiss Higher Education Institutions

Rektorenkonferenz der schweizerischen Hochschulen

Conférence des recteurs des hautes écoles suisses

Effingerstrasse 15
P.O. Box
3001 Bern
T +41 (0)31 335 07 40
www.swissuniversities.ch

SBFI

State Secretariat for Education, Research and Innovation SERI

Staatssekretariat für Bildung, Forschung und Innovation SBFI

Secrétariat d'Etat à la formation, à la recherche et à l'innovation SEFRI

Einsteinstrasse 2
3003 Bern
T +41 (0)58 462 21 29
info@sbfi.admin.ch
www.sbfi.admin.ch

AAQ

Swiss Agency of Accreditation and Quality Assurance

Schweizerische Agentur für Akkreditierung und Qualitätssicherung

Agence suisse d'accréditation et d'assurance qualité

Effingerstrasse 15
P.O. Box
3001 Bern
T +41 (0)31 380 11 50
info@aaq.ch
www.aaq.ch

SHK

Swiss Conference of Higher Education Institutions

Schweizerische Hochschulkonferenz SHK

Conférence suisse des hautes écoles CSHE

Einsteinstrasse 2
3003 Bern
T +41 (0)58 462 88 11
shk-cshe@sbfi.admin.ch
www.shk.ch

SNF

Swiss National Science Foundation SNSF

Schweizerischer Nationalfonds SNF

Fonds national suisse FNS

Wildhainweg 3
P.O. Box
3001 Bern
T +41 (0)31 308 22 22
com@snf.ch
www.snf.ch

KTI

Commission for Technology and Innovation CTI

Kommission für Technologie und Innovation KTI

Commission pour la technologie et l'innovation CTI

Einsteinstrasse 2
3003 Bern
T +41 (0)58 462 24 40
info@kti.admin.ch
www.kti.admin.ch

SWIR

Swiss Science and Innovation Council SSIC

Schweizerischer Wissenschafts- und Innovationsrat SWIR

EDK

Swiss Conference of Cantonal Ministers of Education

Schweizerische Konferenz der kantonalen Erziehungsdirektoren EDK

Conférence suisse des directeurs cantonaux de l'instruction publique CDIP

Haus der Kantone
Speichergasse 6
P.O. Box
3001 Bern
T +41 (0)31 309 51 11
edk@edk.ch
www.edk.ch

movetia

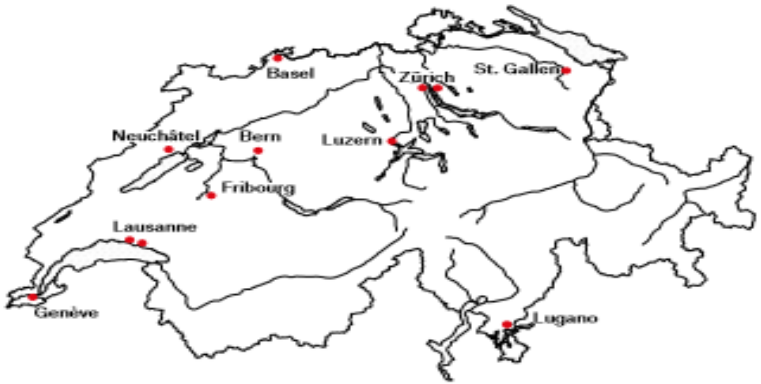
Swiss agency for exchange and mobility

Schweizer Agentur für Austausch und Mobilität

Agence nationale suisse pour la promotion des échanges et de la mobilité

Dornacherstrasse 28A
P.O. Box
4501 Solothurn
T +41 (0)32 462 00 50
info@movetia.ch
www.movetia.ch

Universities
Doctoral/Research Universities



Universität Basel

Student Administration Office
Petersplatz 1
4001 Basel
T +41 (0)61 207 30 23
www.unibas.ch/studseksupportEN
www.unibas.ch

Faculties
- Theology
- Law
- Medicine
- Humanities and Social Sciences
- Science
- Business and Economics
- Psychology

[a] 12 852
[b] 24%
[c] 850 (students)
350 (doctoral students)

Universität Bern

Admissions Office
Hochschulstrasse 4
3012 Bern
T +41 (0)31 631 39 11
info@zib.unibe.ch
www.unibe.ch

Faculties
- Theology
- Law
- Business, Economics and Social Sciences
- Medicine
- Vetsuisse (Veterinary Medicine)
- Humanities
- Human Sciences
- Science

[a] 16 794
[b] 14%
[c] 805

Université de Fribourg
Universität Freiburg

Office for Admissions and Registration
Rue de Rome 1
1700 Fribourg
T +41 (0)26 300 70 20
www.unifr.ch/admission/de/contact
www.unifr.ch

Faculties
- Theology
- Law
- Economics and Social Sciences
- Arts
- Science

[a] 10 647
[b] 20%
[d] 655
[e] 805

Université de Genève

Service des admissions
Rue Général Dufour 24
1211 Genève 4
T +41 (0)22 379 77 39
admissions.unige.ch
www.unige.ch

Faculties
- Science
- Medicine
- Humanities
- Social Sciences
- Economics and Management
- Law
- Theology
- Psychology and Educational Sciences
- Translation and Interpreting

[a] 16 530
[b] 37%
[c] 500

Ecole polytechnique fédérale de Lausanne

Registrar's Office SAC
BP-1 233 (Bâtiment BP)
Station 16
1015 Lausanne
T +41 (0)21 693 43 45
student.services@epfl.ch
www.epfl.ch

Schools and Colleges
- Basic Sciences
- Engineering
- Architecture, Civil and Environmental Engineering
- Computer and Communication Sciences
- Life Sciences
- Management of Technology
- Humanities

[a] 10 124
[b] 51%
[c] 633

Université de Lausanne

Admissions Service
Unicentre
1015 Lausanne
T +41 (0)21 692 21 00
immat.bachelor@unil.ch
www.unil.ch

Faculties
- Theology and Sciences of Religions
- Law, Criminal Justice and Public Administration
- Arts
- Social and Political Sciences
- Business and Economics
- Geosciences and Environment
- Biology and Medicine

[a] 14 475
[b] 27%
[c] 580

[a] Number of students (2016)
[b] International students (2016)
[c] Tuition fees/semester for Swiss and international students in CHF (2017/2018)
[d] Tuition fees/semester for Swiss students in CHF (2017/2018)
[e] Tuition fees/semester for international students in CHF (2017/2018)

Universität Luzern

Student Administration Office
Frohburgstrasse 3
P.O. Box 4466
6002 Luzern
T +41 (0)41 229 50 00
studiendienste@unilu.ch
www.unilu.ch

Faculties
- Theology
- Humanities and Social Sciences
- Law
- Economics and Management

[a] 2 842
[b] 15%
[d] 810
[e] 1110

Università della Svizzera italiana

Segreteria generale
Via Lambertenghi 10A
6904 Lugano
T +41 (0)58 666 46 11
info@usi.ch
www.usi.ch

Faculties
- Architecture
- Biomedical Sciences
- Communication Sciences
- Economics
- Informatics
- Italian Studies

[a] 2 862
[b] 66%
[d] 2 000
[e] 4 000

Université de Neuchâtel

Registration Office
Av. du 1er-Mars 26
2000 Neuchâtel
T +41 (0)32 718 10 00
immatriculation@unine.ch
www.unine.ch

Faculties
- Humanities
- Science
- Law
- Economics and Business

[a] 4 255
[b] 24%
[d] 515
[e] 790

Universität St. Gallen

Admissions and Crediting Office
Dufourstrasse 50
9000 St. Gallen
T +41 (0)71 224 39 31
admissions@unisg.ch
www.unisg.ch

Schools
- Management
- Economics and Political Science
- Law
- Finance
- Humanities and Social Sciences

[a] 8 337
[b] 32.5%
[d] 1 226 B 1 426 M
[e] 3 126 B 3 326 M

Eidgenössische Technische Hochschule Zürich

Registrar's Office
HG F 21.3–4
Rämistrasse 101
8092 Zürich
T (Bachelor)
+41 (0)44 633 82 00
T (Master)
+41 (0)44 632 81 00
zulassungsstelle@ethz.ch and
master@ethz.ch
www.ethz.ch

Departments
- Architecture
- Civil, Environmental and Geomatic Engineering
- Biosystems Science and Engineering
- Computer Science
- Information Technology and Electrical Engineering
- Mechanical and Process Engineering
- Materials
- Biology
- Chemistry and Applied Biosciences
- Mathematics
- Physics
- Earth Sciences
- Environmental Systems Science
- Health Sciences and Technology
- Management, Technology and Economics
- Humanities, Social and Political Sciences

[a] 19 815
[b] 38%
[c] 644

Universität Zürich

Student Services
Admissions Office
Rämistrasse 71
8006 Zürich
T +41 (0)44 634 22 36
www.students.uzh.ch/en/administration/email.html
www.uzh.ch

Faculties
- Theology
- Law
- Business, Economics and Informatics
- Medicine
- Vetsuisse (Veterinary Medicine)
- Arts and Social Sciences
- Science

[a] 25 542
[b] 19.5%
[d] 769
[e] 1 269
(869 for Master's programmes)

Doctoral/Research Universities	UniBE	UNIBAS	ETH Zürich	UniFR	UNILU	HSG	UZH	USI	EPFL	UNIGE	UNIL	UniNE	UAS	UTE
Speaking area of Switzerland*	G	G	G	G/F	G	G	G	I	F	F	F	F		
Theology, Religious Studies														
Science of Religion	B/M/SM	B/M		B/M	B/M		B/M			B/M	B/M			
Theology	B/M	B/M		B/M	B/M		B/M/SM			B/M	B/M			
Law, Economics, Business Administration/Management														
Business Administration	B/M/SM	B/M/SM	M	B/M		B/M/SM	B/M	M	SM	B/M/SM	B/M	B/M	B/M	
Business Informatics				B/M			B/M	M		B/M	B/M	B/M	B/M	
Economics	B/M/SM	B/M/SM		B/M	B/M	B/M/SM	B/M	B/M		B/M/SM	B/M	B/M		
Finance			SM	M		SM	B/M/SM	M		M/SM	B/M	B/M	B/M	
Forensic Sciences											B/M			
Law	B/M	B/M		B/M	B/M	B/M	B/M/SM			B/M/SM	B/M	B/M	B/M	
Professional Officer (of the Swiss Armed Forces)			B											
Medicine, Nursing, Therapie														
Applied Biosciences	M/SM		B/M/SM	B					M					
Dentistry	B/M	B/M					B/M			B/M				
Health Science		M	B/M		M					M				
Human Medicine (incl. Chiropractic UZH)	B/M	B/M	B	B/M	M		B/M/SM	B		B/M/SM	B/M	1		
Nursing Sciences		M									SM		B/M	
Pharmaceutical Sciences	2	B/M	B/M/SM							B/M	1	1		
Veterinary Medicine	B/M						B/M							
Human Movement and Sports Sciences														
Human Movement and Sports Sciences/Sport	B/M	B/M	B/M	B/M							B/M	B/M	B/M	B/M

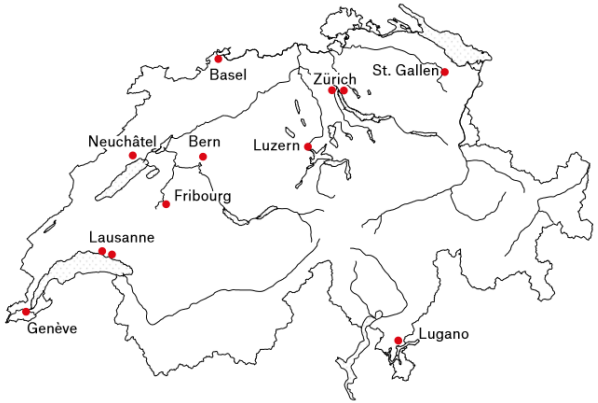
Doctoral/Research Universities	UniBE	UNIBAS	ETH Zürich	UniFR	UNILU	HSG	UZH	USI	EPFL	UNIGE	UNIL	UniNE	UAS	UTE
Speaking area of Switzerland*	G	G	G	G/F	G	G	G	I	F	F	F	F		
Social Sciences														
Education	B/M	M		B/M/SM			B/M			B/M	M	B/M	M	B/M/T
Geography	B/M	B/M		B/M			B/M/SM			B/M	B/M	B/M		
Political Science	B/M/SM	B/M	SM		B/M	B/SM	B/M	M		B/M/SM	B/M			
Psychology	B/M	B/M		B/M			B/M	M		B/M	B/M	M	B/M	
Social and Cultural Anthropology	B/M	B/M		B/M	B/M		B/M			SM	B/M	B/M/SM		
Social Work and Social Policy				B/M/SM								M	B/M	
Sociology	B/M	B/M		B/M/SM	B/M		B/M			B/M/SM	B/M	B/M		
Special Education				B/M			M			M/SM		B/M/SM	M	M
Linguistics and Literary Studies, Communication														
African Studies		M								SM				
Ancient Near Eastern Studies	B	M								B				
Central Asian Studies	B/M													
Classical Philology	B/M	B/M		B/M			B/M			B/M	B/M	B/M		
Communication and Media Studies	B	B/M		B/M	B/M		B/M	B/M		SM		B/SM	B	
Comparative Literature	M	M		M			B/M			B/M		M		
East Asian Studies							B/M			B/M/SM				
English Languages and Literatures	B/M	B/M		B/M			B/M			B/M	B/M	B/M		
French Language and Literature	B/M	B/M		B/M			B/M			B/M	B/M	B/M		
German Language and Literature	B/M	B/M		B/M			B/M			B/M	B/M	B/M		
Ibero-Romance Languages and Literatures	B/M	B/M		B/M			B/M			B/M	B/M	B/M		
Interpretation/Translation										B/M/SM			B	
Islamic and Middle Eastern Studies	B/M	B/M					B/M			B/M/SM				
Italian Language and Literature	B/M	B/M		B/M			B/M	B/M		B/M	B/M			

Doctoral/Research Universities	UniBE	UNIBAS	ETH Zürich	UniFR	UNILU	HSG	UZH	USI	EPFL	UNIGE	UNIL	UniNE	UAS	UTE
Speaking area of Switzerland*	G	G	G	G/F	G	G	G	I	F	F	F	F		
Linguistics and Literary Studies, Communication														
Linguistics	B/M	M		M			B/M/SM			B/M	B/M	B/M	M	
Modern Greek Language and Literature										B/M				
Nordic Languages and Literatures		B/M					B/M							
Rhaeto-Romanic Language and Literature				B										
Slavonic Languages and Literatures	B/M	B/M		B/M			B/M			B/M/SM	B/M			
South Asian Studies/Indian Studies							B/M				B/M			
Historical and Cultural Sciences														
African Studies		M								SM				
Ancient Near Eastern Studies	B	M								B				
Archeology	B/M	M		M			B/M			B/M	B/M	B/M		
Art History	B/M	B/M		B/M			B/M			B/M	B/M	B/M		
Central Asian Studies	B/M													
East Asian Studies							B/M			B/M/SM				
Egyptology		M								B/M				
History	B/M	B/M		B/M	B/M		B/M			B/M	B/M	B/M		
History and Philosophy of Science	B/M		SM		M									
Islamic and Middle Eastern Studies	B/M	B/M					B/M			B/M/SM				
Musicology	B/M	B/M		B/M			B/M			B/M				
Philosophy	B/M	B/M		B/M	B/M		B/M			B/M	B/M	B/M		
South Asian Studies/Indian Studies							B/M				B/M			
Theatre, Dance and Film Studies	B/M						B/M/SM				B/M		B/M	

Doctoral/Research Universities	UniBE	UNIBAS	ETH Zürich	UniFR	UNILU	HSG	UZH	USI	EPFL	UNIGE	UNIL	UniNE	UAS	UTE
Speaking area of Switzerland*	G	G	G	G/F	G	G	G	I	F	F	F	F		
Mathematics, Computer Science														
Business Informatics				B/M			B/M	M		B/M	B/M	M	B/M	
Communication Systems									B/M	B				
Computational Science and Engineering		B	B/M				SM	M	SM					
Computer Science	B/M	B/M	B/M/SM	B/M			B/M/SM	B/M	B/M	B/M	B/M	M	B/M	
Mathematics	B/M	B/M	B/M/SM	B/M			B/M		B/M	B/M		B/M		
Sciences and Earth Sciences														
Agricultural Science			B/M										B/M	
Applied Biosciences	M/SM		B/M/SM	B					M					
Archeology	B/M	B/M		M			B/M			B/M	B/M	B/M		
Biochemistry	B		B/M	B/M			B/M			B/M				
Biology	B/M	B/M/SM	B/M/SM	B/M/SM			B/M/SM			B/M	B/M	B/M		
Chemical Engineering			B/M						B/M					
Chemistry	B/M	B/M	B/M	B/M			B/M/SM		B/M	B/M			B	
Earth Sciences	B/M	B/M	B/M/SM	B/M			B/M			B/M	B/M	M		
Environmental Sciences	B/SM	SM	B/M	B			SM			M	B/M	B		
Food Science			B/M											
Forensic Sciences											B/M			
Geography	B/M	B/M		B/M			B/M/SM			B/M	B/M	B/M		
Life Sciences and Technologies	M/SM		B/M/SM				SM		B/M				B/M	
Materials Science and Engineering			B/M						B/M					
Physics	B/M	B/M	B/M/SM	B/M			B/M/SM		B/M/SM	B/M				

Doctoral/Research Universities	UniBE	UNIBAS	ETH Zürich	UniFR	UNILU	HSG	UZH	USI	EPFL	UNIGE	UNIL	UniNE	UAS	UTE
Speaking area of Switzerland*	G	G	G	G/F	G	G	G	I	F	F	F	F		
Engineering														
Applied Biosciences	M/SM		B/M/SM	B					M					
Architecture			B/M/SM					B/M	B/M				B/M	
Chemical Engineering			B/M						B/M					
Civil Engineering			B/M						B/M				B/M	
Computational Science and Engineering		B	B/M					M	SM					
Electrical Engineering			B/M						B/M				B/M	
Environmental and Geomatics Engineering			B/M						B/M				B/M	
Food Science			B/M											
Life Sciences and Technologies	M/SM		B/M/SM						B/M				B/M	
Materials Science and Engineering			B/M						B/M					
Mechanical Engineering			B/M/SM						B/M				B/M	
Micro Engineering			SM						B/M				B	
Teaching, Educational Science														
Education	B/M	M		B/M/SM			B/M			B/M	M	B/M	M	
Primary Education/Secondary I Education/ Secondary II Education			SM	B/M/T	M					B/M/SM			B/M	B/M/T
Special Education				B/M			M			M/SM		B/M/SM	M	M

EPFL
Ecole Polytechnique Federale de Lausanne



Ecole polytechnique fédérale de Lausanne

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BP-1 233 (Bâtiment BP)
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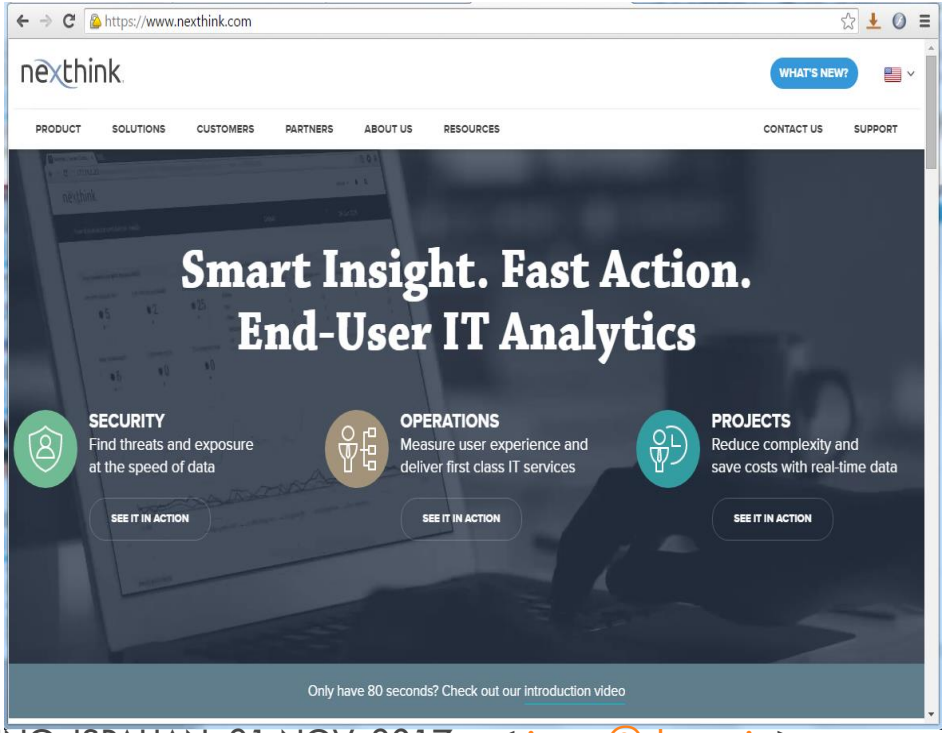
1015 Lausanne
T +41 (0)21 693 43 45
student.services@epfl.ch
www.epfl.ch

Schools and Colleges
- Basic Sciences
- Engineering
- Architecture, Civil and Environmental Engineering
- Computer and Communication Sciences
- Life Sciences
- Management of Technology
- Humanities

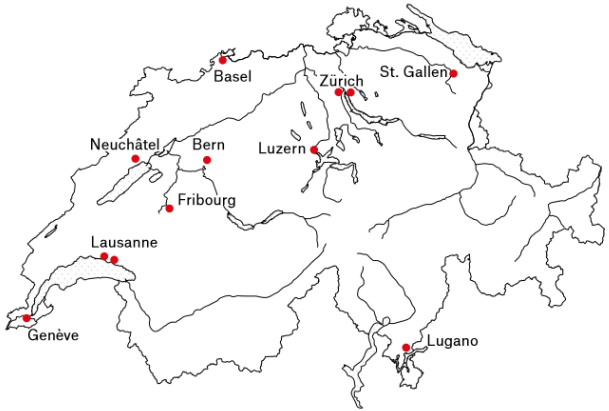
[a] 10 124
[b] 51%
[c] 633

[a] Number of students (2016)
[b] International students (2016)
[c] Tuition fees/semester for Swiss and international students in CHF (2017/2018)
[d] Tuition fees/semester for Swiss students in CHF (2017/2018)
[e] Tuition fees/semester for international students in CHF (2017/2018)

SBU's specific interest in EPFL's experience : transdisciplinary initiatives and lifecycles



Universite de Geneve (University of Geneva) UNIGE



Université de Genève

Service des admissions
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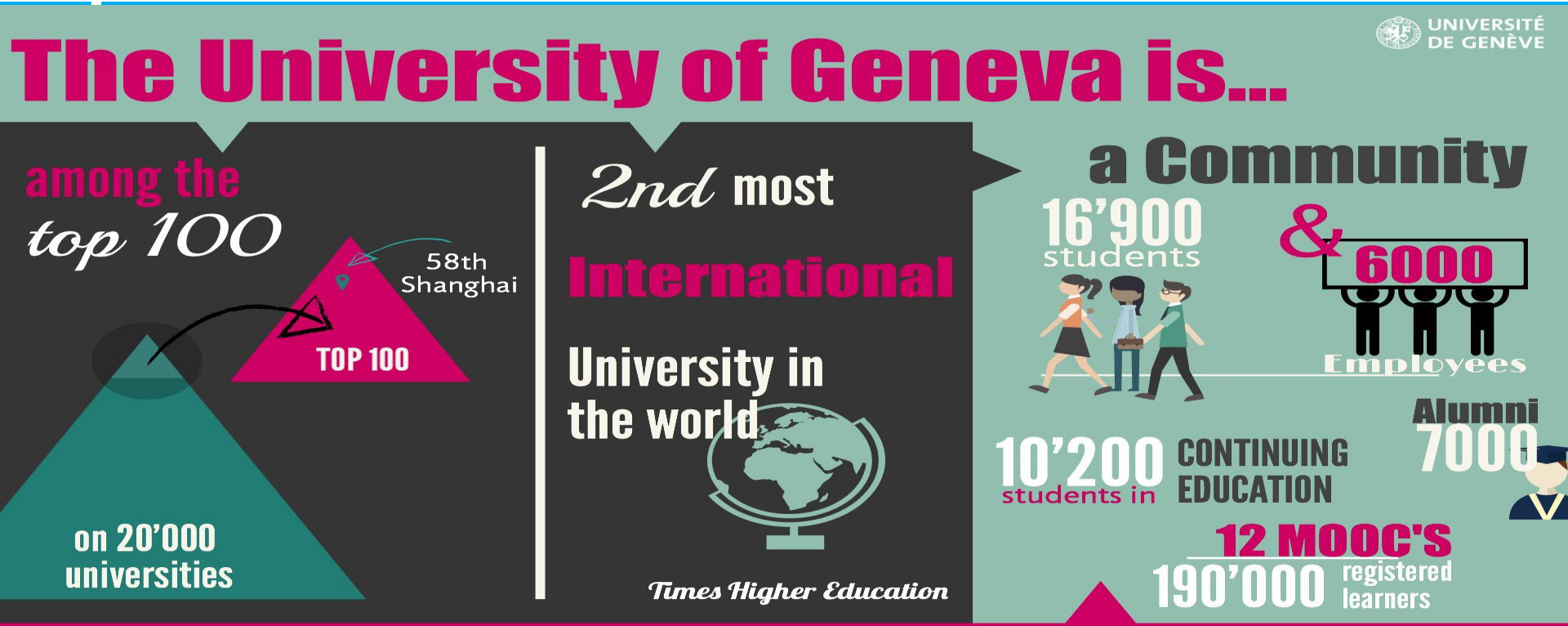
1211 Genève 4
T +41 (0)22 379 77 39
admissions.unige.ch
www.unige.ch

Faculties
- Science
- Medicine
- Humanities
- Social Sciences
- Economics and Management
- Law
- Theology
- Psychology and Educational Sciences
- Translation and Interpreting

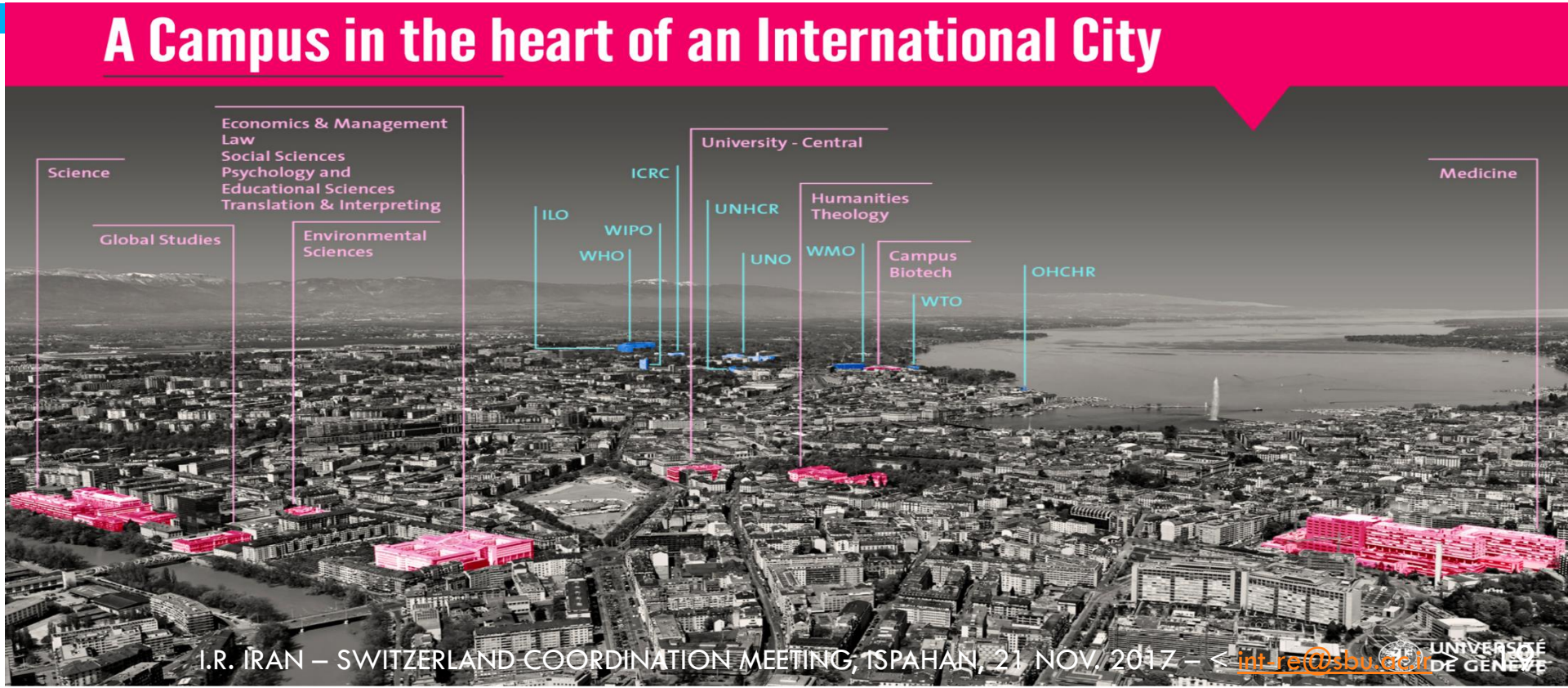
[a] 16 530
[b] 37%
[c] 500

[a] Number of students (2016)
[b] International students (2016)
[c] Tuition fees/semester for Swiss and international students in CHF (2017/2018)
[d] Tuition fees/semester for Swiss students in CHF (2017/2018)
[e] Tuition fees/semester for international students in CHF (2017/2018)

SBU's specific interest in University of Geneva (UNIGE)'s experience : **2nd most International University in the world**



SBU's specific interest in University of Geneva (UNIGE)'s experience : **2nd most International University in the world**



SBU's specific interest in University of Geneva (UNIGE)'s experience : **2nd most International University in the world**

UNIVERSITÉ DE GENÈVE

GENEVA

A center of scientific excellence

University of Applied Sciences

5'000 students

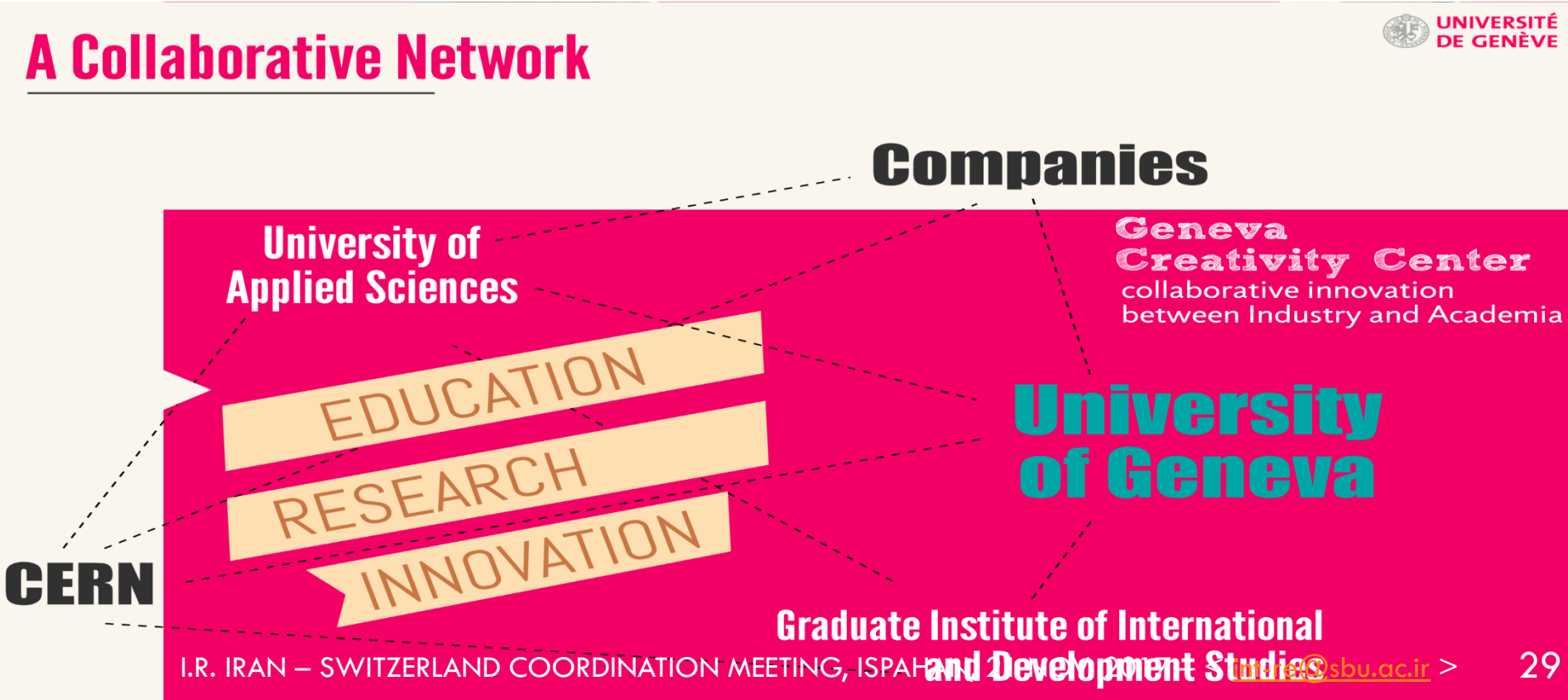
University of Geneva

46% research and teaching staff from abroad

CERN **11'000** scientists

Graduate Institute of International and Development Studies

SBU's specific interest in University of Geneva (UNIGE)'s experience : **2nd most International University in the world**



Thank you for your attention. Any questions?

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