Perspektywy

The role of national university ranking - the Polish experience

Waldemar Siwinski

President, Perspektywy Education Foundation Vice-President, IREG Observatory on Academic Ranking and Excellence



Plan of presentation

- 1. Renaissance of National Rankings
- 2. Perspektywy (Poland) University Ranking
- 3. IREG Engineering Project invitation





New role for rankings

How to measure university







Rankings – young phenomenon

Contemporaries of Internet and Facebook

First national ranking
US News Best Colleges (1983)
same age as Internet

First global ranking Shanghai Ranking (2003) same age as Facebook





1980 1981 1982 **1983** 1984 1999 2000 2001 2002 **2003** 2004 2013 2014 **2015**





New rankings every year...

GLOBAL REGIONAL RANKINGS

NATIONAL RANKINGS

Rankings by Release Year and Type (Active Only)

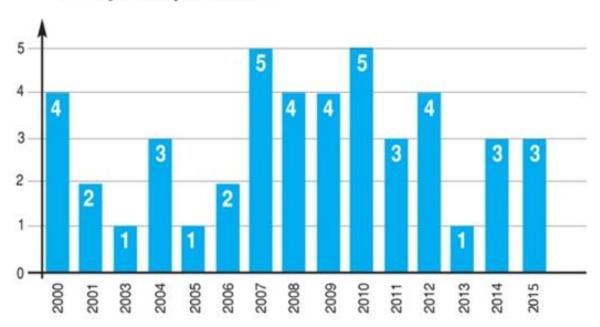
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Ranking Name	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15		
Academic Ranking of World Universities (ARWU, aka Shanghai Ranking)															
Ranking Web of Universities (Webometrics Ranking)															
World University Rankings (Quacquarelli Symonds (QS))															
University Web Rankings & Reviews (4 International Colleges & Universities (4ICU))					0		,						,		
Performance Ranking of Scientific Papers for World Universities (NTU (HEEACT))															
CWTS Leiden Ranking				6.											
University Ranking by Academic Performance (URAP)				52											
SCImago Institutions Rankings															
World University Rankings (Times Higher Education (THE))				ē											
Global Employability Rankings (Emerging/ Trendence)												1			
U-Multirank (Universities Compared. Your Way)															
Center for World University Rankings (CWUR)					25 50										
Best Global Universities Rankings (U.S. News & World Report)				:2		5.									
LinkedIn University Rankings					(3) (3)	3									
Acad. performance w/ league table	Ac	Acad. Performance w/o league table							Broad-based league table						
Multi-indicator ranking	En	ployab	ility-ba	sed lea	ague ta		Web presence league table								

Notes: This overview does not list all world university rankings. Instead, it aims to highlight the variety of rankings that are being actively published, with a focus on key rankings Source: ICG



Three new national ranking every year

First year of publication



15 years – 45 national rankings



Fast growing family



About Inventory

List of rankings

Add your ranking

Update your ranking

Welcome to Inventory

The purpose of "IREG Inventory of National Rankings" is to collect and make available on the IREG Observatory website information on the current state and scope of this important group of rankings. Authors of national university rankings who want to be included into the Inventory are kindly requested to fill in the questionnaire ("Add your ranking" section). Please keep us informed on any changes in the rankings already presented in the Inventory (see "Update your ranking" section).

Albania

Ranking of Higher Education Institutions in Albania

Brazil

Folha University Ranking (Brazil)

Bulgaria

Italy

 The Great University Guide Censis-la Republica

Japan

- Brand rankings of Japanese universities
- Truly Strong Universities

Romania

Top Universities in Romania

Russian Federation

- Expert RA Russian universities ranking
- Interfax & Echo Moskvy National University Rankings

www.ireg-observatory.org



Why national rankings?

- More comprehensive than international rankings
- Based on a broader range of indicators
- Cover institutions of one educational legal and cultural environment
- Assess all higher education institutions in a country while global rankings a very narrow group of universities.



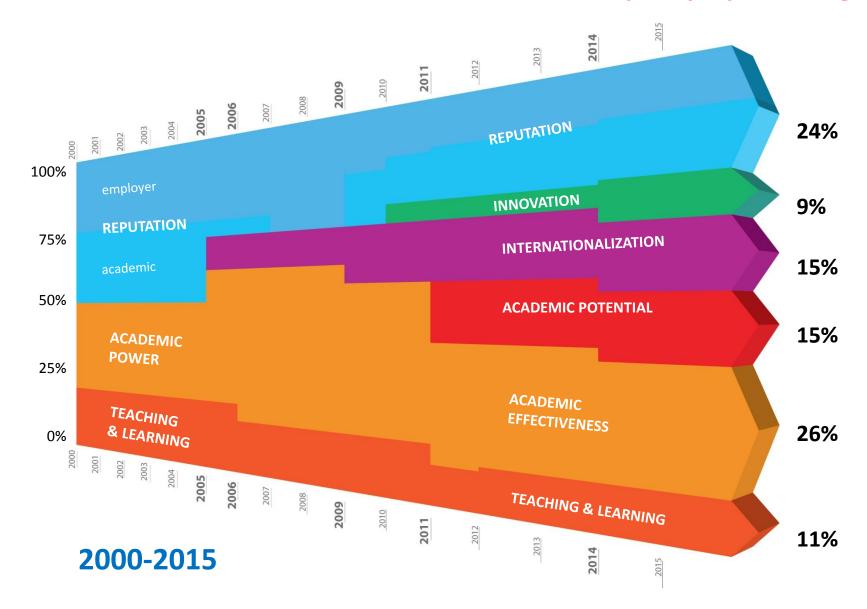


Perspektywy mission

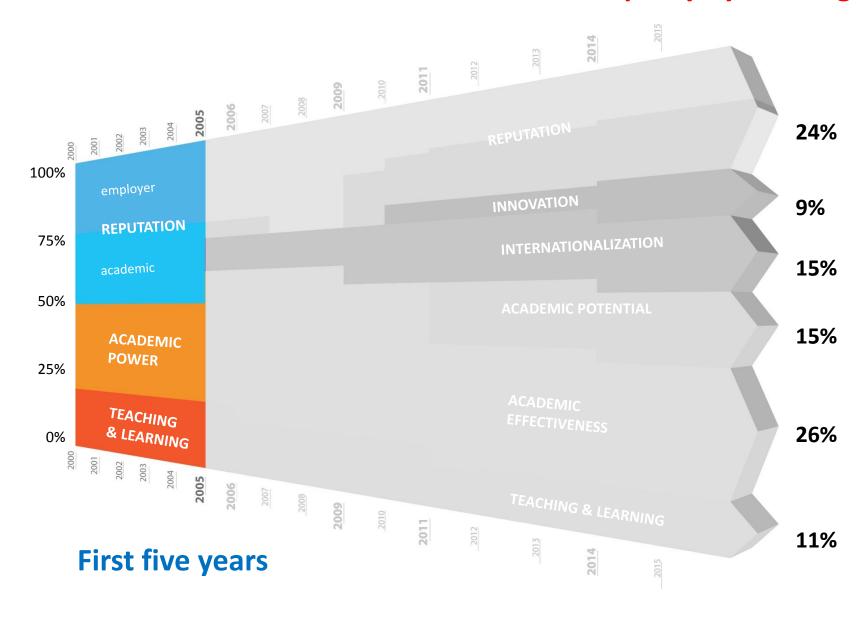
Provide rankings based on a vision of an ideal university

- does research on a high level,
- is closely linked with job market and economy,
- provides friendly environment for students,
- is **innovative** and **internationalized**.

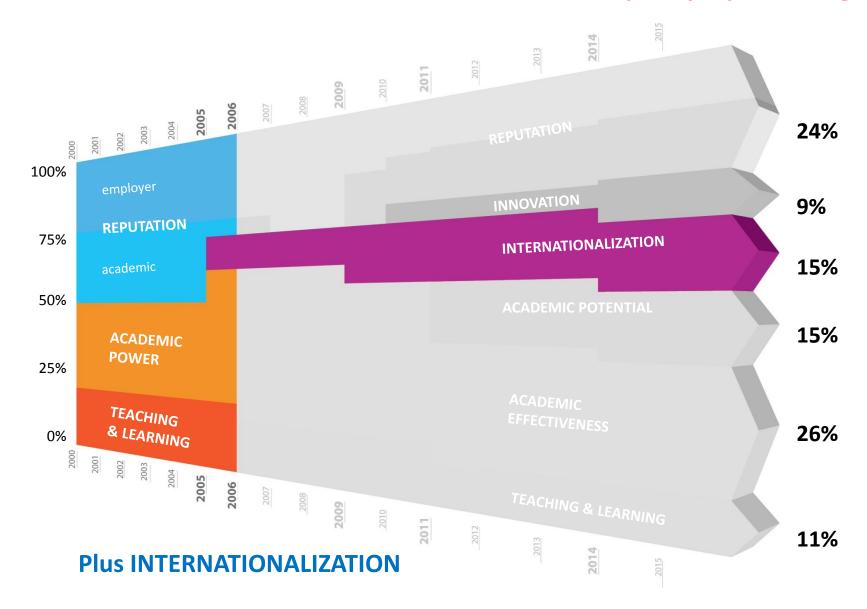




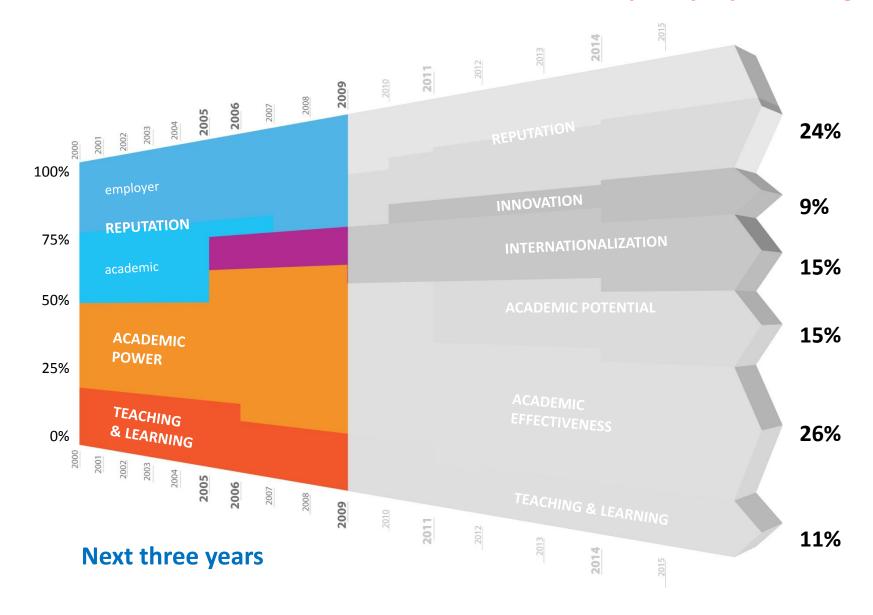




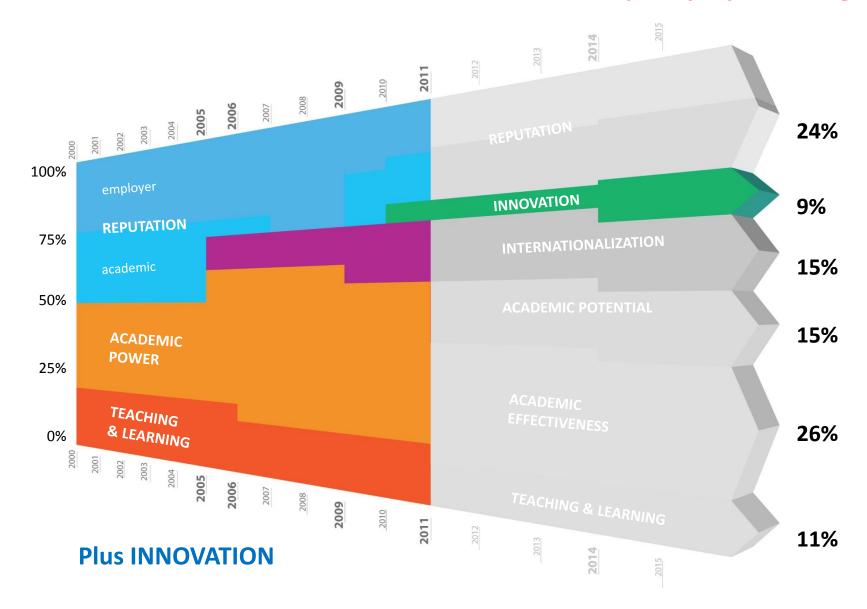




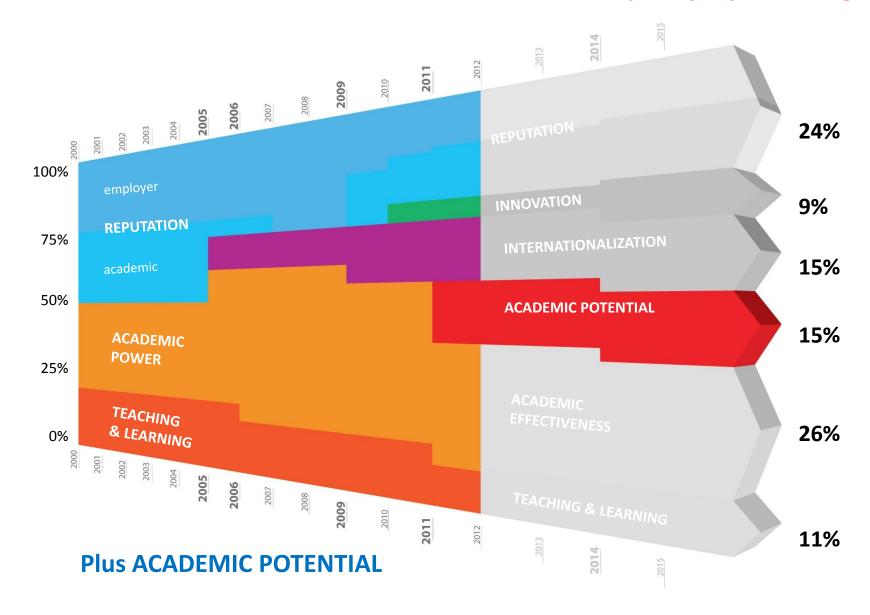




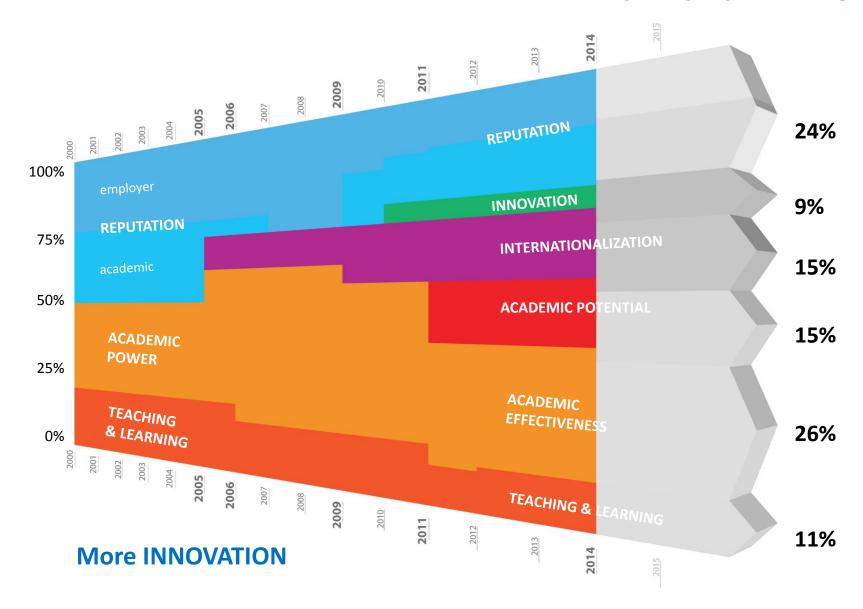




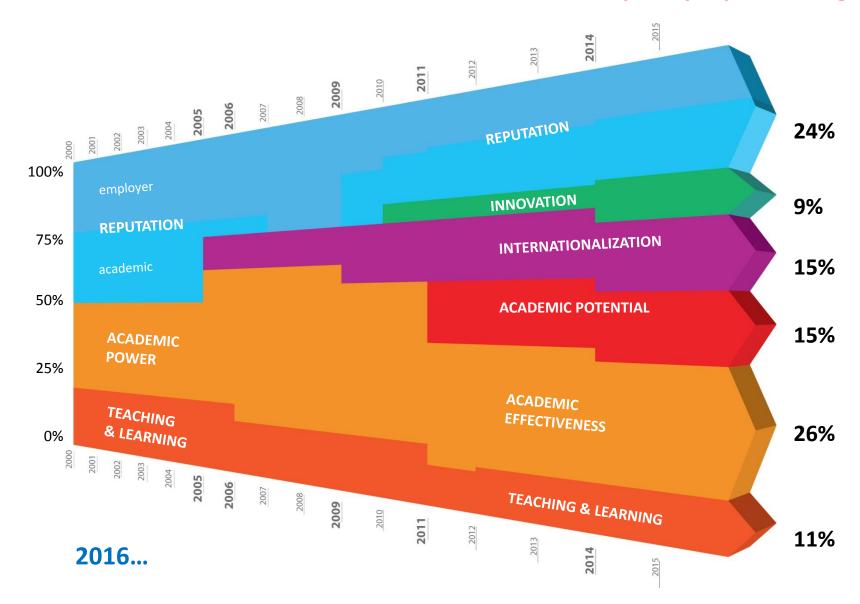






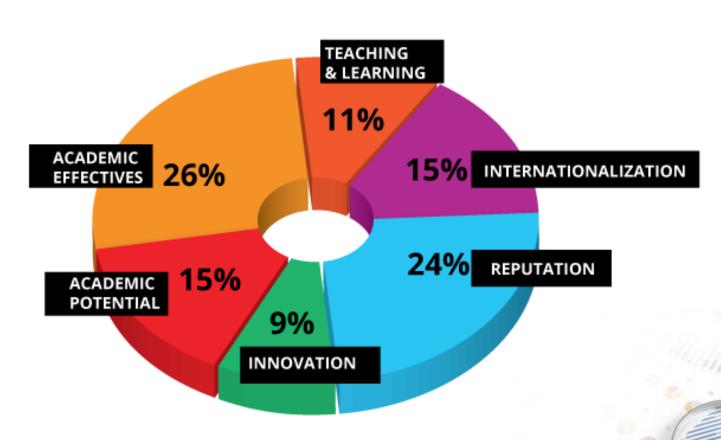








Perspektywy University Ranking



www.ranking.perspektywy.org





ACEDEMIC POTENTIAL - 15%

Parametric evaluation (8%)

Academic staff with highest qualifications (3%)

Right to confer PhD with habilitation degree (2%)

Rights to award PhD degrees (2%)

ACADEMIC EFFECTIVENESS – 26%

Faculty development (6%)

Academic titles awarded (5%)

External funding for research (4%)

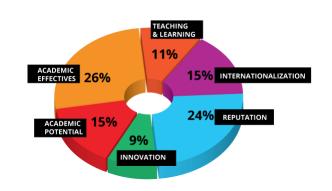
Publications (2%)

Citations (3%)

H-index (3%)

EU research programmes (2%)

PhD students (1%)







TEACHING & LEARNING - 11%

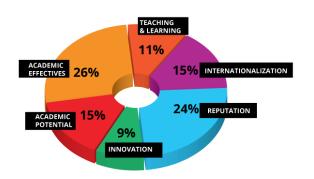
Students – teaching staff (5%)

Accreditations (3%)

E-holdings (1%)

Printed library holdings (1%)

Library facilities (1%)



INTERNATIONALIZATION - 15%

Programmes in foreign languages (4%)

Students studying in foreign language (4%)

International students (3%)

Foreign teaching staff (1%)

Student exchange (outbound) (1%)

Student exchange (inbound) (1%)

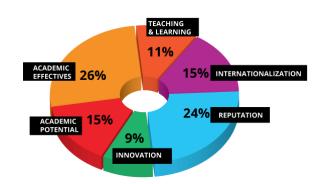
Multicultural composition of student body (1%)



Methodology 2016

REPUTATION - 24%

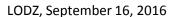
Employer reputation (11%)
Academic reputation (teaching) (11%)
International recognition (2%)



INNOVATION - 9%

Patents (4%)
External funding (2%)
Licenses (2%)
Spin-off and spin-out (1%)

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Award Ceremony 2016







Award Ceremony 2016







Award Ceremony 2016





Polish experience





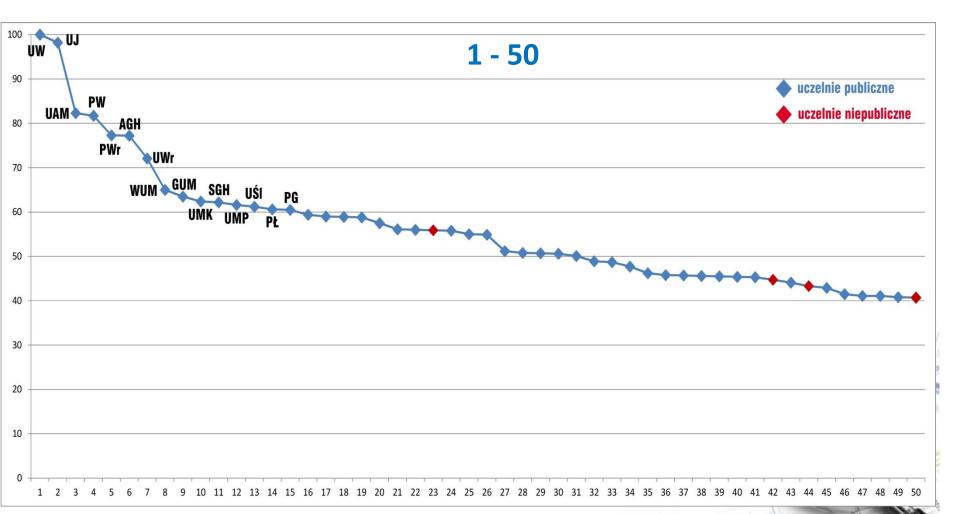
Best Universities in Poland

LL SCORE

			7.00	154,745		RA.
2016		2015	2014	2013	2012	OVERA
-	H-1		1,000		per contra	Total Control Control
1	University of Warsaw	· ·	ı	2	2	100,0
2	Jagiellonian University in Krakow	1	2	1	1	98,2
3	Adam Mickiewicz University in Poznan	3	3	3	3	82,3
4	Warsaw University of Technology	4	4	4	4	81,7
5	Wroclaw University of Technology	4	5	6	5	77,3
6	AGH University of Science and Technology	6	6	5	6	77,2
7	University of Wroclaw	7	7	7	7	72,1
8	Medical University of Warsaw	8	8	11	14	65,0
9	Medical University of Gdansk	10	11	12	18	63,5
10	Nicolaus Copernicus University in Torun	9	9	9	9	62,4
П	Warsaw School of Economics (SGH)	12	13	10	12	62,2
12	Poznan University of Medical Sciences	13	10	8	10	61,6
13	University of Silesia in Katowice	17	20	20	19	61,2
14	Technical University of Lodz	11	12	13	8	60,6
15	Gdansk University of Technology	17	24	24	20	60,5
16	University of Lodz	16	21	23	24	59,4
17	Poznan University of Technology	14	16	22	21	59,0
18	Wroclaw Medical University	15	14	17	22	58,9
19	Silesian University of Technology in Gliwice	22	23	18	16	58,8
20	Medical University of Lodz	17	17	16	13	57,5



Best Universities in Poland 2016



2016	Best Universities of Technology in Poland	2015	2014	OVERALL
1	Warsaw University of Technology	1		100,0
2	Wroclaw University of Technology	1	2	94,6
3	AGH University of Science and Technology	3	3	94,5
4	Technical University of Lodz	4	4	74,2
5	Gdansk University of Technology	6	7	74,1
6	Poznan University of Technology	5	5	72,2
7	Silesian University of Technology in Gliwice	7	6	72,0
8	Lublin University of Technology	П	12	59,6
9	Military University of Technology in Warsaw	9	8	56, I
10	West Pomeranian University of Technology in Szczecin	8	9	55,7
11	Cracow University of Technology	10	10	55,4
12	Czestochowa University of Technology	12	11	54,0
13	Polish Japanese Institute of Information Technology	15	13	53,0
14	Rzeszow University of Technology	13	15	52,5
15	Opole University of Technology	14	14	49,9
16	Bialystok University of Technology	17	15	-
16	Kielce University of Technology	15	15	—
16	University of Technology and Life Sciences in Bydgoszcz	17	18	-
17	Koszalin University of Technology	17	18	» -
18	University of Bielsko-Biala	20	21	-
19	Gdynia Maritime University	20	21	-

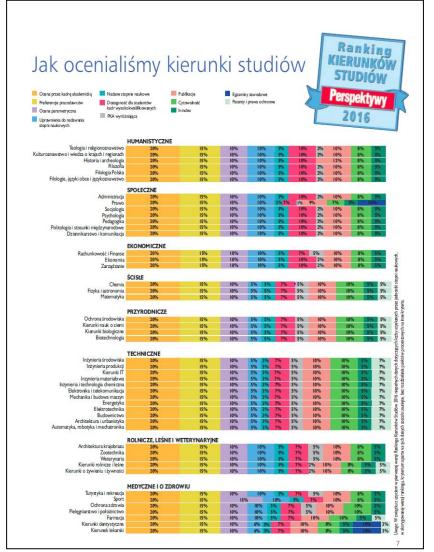




Polish experience

47 subjects







Polish experience

Engineering and Technology

- 1. Architecture and Urban Planning
- 2. Chemical Engineering and Technology
- 3. Civil Engineering
- 4. Electrical Engineering
- 5. Electronics and Telecommunication
- 6. Environmental Engineering
- 7. IT studies
- 8. Mechanical Engineering and Machine Building
- 9. Material Engineering
- **10.** Power Enginering
- 11. Production Engineering
- 12. Robotics and Mechatronics

	Robotics Perspektywy 2016 Robotics and Mechatronics	OVERALL SCORE	Academic reputation	Employer reputation	Parametric evaluation	Academic level	Academic titles awarded	Students/staff ratio	Assessment of PKA	Publications	Citations	H-index	Patents
1	AGH University of Science and Technology			15%	10%	5%	3%	7%	5%	10%			7%
	Faculty of Mechanical Engineering and Robotics	100,0	78,57	74,72	75,00	60,00	78,40	31,71	100,0	91,62	84,67	100,0	41,92
2	AGH University of Science and Technology Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering	99,3	78,57	74,72	75,00	100,0	76,33	33,47	100,0	91,62	84,67	100,0	5,25
3	Warsaw University of Technology	98,3	100,0	100,0	75,00	80,00	72,36	30,34	100,0	51,37	58,65	86,67	2,85
	Faculty of Power and Aeronautical Engineering	70,3	100,0	100,0	75,00	00,00	72,30	30,34	100,0	31,3/	50,05	00,07	2,05
4	Warsaw University of Technology Faculty of Mechatronics	90,9	100,0	100,0	75,00	60,00	81,20	33,29	0,00	51,37	58,65	86,67	4,64
5	Warsaw University of Technology Faculty of Electrical Engineering	87,0	100,0	100,0	75,00	48,00	34,52	23,96	0,00	51,37	58,65	86,67	2,62
6	Warsaw University of Technology	84,4	100,0	100,0	50,00	40,00	58,41	29,87	0,00	51,37	58,65	86,67	1,07
7	Faculty of Automotive and Construction Machinery Engineering Warsaw University of Technology		Towns Towns			NOTE 141			Territoria (And the same of	The same of		
7/4	Faculty of Production Engineering	82,6	100,0	100,0	50,00	40,00	23,37	25,16	0,00	51,37	58,65	86,67	1,92
8	Wroclaw University of Technology Faculty of Microsystem Electronics and Photonics	75,8	60,71	66,11	100,0	20,00	87,62	48,85	100,0	27,42	49,37	60,00	3,20
9	Wroclaw University of Technology	73,7	60,71	66,11	75,00	92,00	64,92	18,61	100,0	27,42	49 37	60,00	5,47
10	Faculty of Electronics Wroclaw University of Technology					- 2				- Control			
10	Faculty of Mechanical Engineering	71,5	60,71	66,11	75,00	48,00	82,66	19,52	100,0	27,42	49,37	60,00	5,64
П	Silesian University of Technology in Gliwice	70,6	30,71	31,30	75,00	80,00	93,18	41,26	100,0	65,03	66,78	100,0	0,00
12	Faculty of Automatic Control, Electronics and Computer Science Silesian University of Technology in Gliwice	68,3	30,71	31,30	75,00	68,00	55,61	37,79	100,0	65,03	44 70	100,0	4,57
	Faculty of Mechanical Engineering	00,3	30,71	31,30	75,00	00,00	33,01	3/,/7	100,0	65,05	00,70	100,0	4,37
13	Wroclaw University of Technology Faculty of Electrical Engineering	63,4	60,71	66,11	75,00	20,00	83,53	29,47	0,00	27,42	49,37	60,00	3,17
14	Poznan University of Technology	56,8	32,86	28,64	75,00	40,00	77,39	39,94	100,0	33,70	43,80	60,00	0,00
15	Faculty of Computer Science Bialystok University of Technology			aurens.									11.04
1000	Faculty of Mechanical Engineering	56,5	12,86	5,53	75,00	48,00	61,37	23,38	0,00	98,75	95,34	80,00	11,86
16	Silesian University of Technology in Gliwice Faculty of Electrical Engineering	54,5	30,71	31,30	50,00	28,00	25,82	39,82	0,00	65,03	66,78	100,0	8,48
17	Poznan University of Technology	52,3	32,86	28,64	75,00	60,00	82,19	20,57	0,00	33.70	43,80	60,00	27,82
18	Faculty of Mechanical Engineering and Management Gdansk University of Technology											A Property Control	
10	Faculty of Electronics, Telecommunications and Informatics	51,0	22,86	33,40	75,00	76,00	64,26	22,92	0,00	26,14	57,83	60,00	17,27
19	University of Zielona Gora Faculty of Computer, Electrical and Control Engineering	49,8	7,14	6,93	50,00	36,00	22,31	39,05	100,0	62,51	88,78	60,00	4,40
20	Technical University of Lodz	49,0	11 43	28 50	75,00	60.00	56.42	48,87	0,00	26 52	66,77	66 67	9,78
21	Faculty of Mechanical Engineering		(WIDETA)		Name and Address of the Owner, where						September 1		7,70
21	Technical University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering	47,1	11,43	28,50	75,00	80,00	29,80	32,85	0,00	26,52	66,77	66,67	3,83
22	Military University of Technology in Warsaw	46,8	2,14	25,21	50,00	28,00	48,80	36,28	0,00	100,0	64,96	53,33	2,67
	Faculty of Mechatronics and Aviation		2.70000		5260,000							essente d	

	142													
		Robotics Perspektywy 2016 Robotics and Mechatronics	OVERALL SCORE	Academic reputation	25. Employer reputation	%00 Parametric evaluation	% Academic level	& Academic titles awarded	Students/staff ratio	% Assessment of PKA	Publications	Citations	H-index	% Patents
	1	AGH University of Science and Technology	100,0	78,57	74,72	75,00	60,00	78,40	31,71	100,0	91,62		100,0	41,92
	2	Faculty of Mechanical Engineering and Robotics AGH University of Science and Technology	100,0	70,37	/4,/2	75,00	60,00	70,40	31,/1	100,0	71,02	04,07	100,0	41,74
J	4	AGN Oniversity of Science and Technology	00.3	78,57	74,72	75,00	100,0	76,33	33,47	100,0	91,62	84,67	100,0	5,25
	3	Warsaw University of Technology	98,3	0.0	100,0	75,00	80,00	72,36	30,34	100,0	51,37	58,65	86,67	2,85
	4	Faculty of Power and Aeronautical Engineering Warsaw University of Technology	10000000											
		Faculty of Mechatronics	90,9	0,0	100,0	75,00	60,00	81,20	33,29	0,00	51,37	58,65	86,67	4,64
	5	Warsaw University of Technology Faculty of Electrical Engineering	87,0	0,0	100,0	75,00	48,00	34,52	23,96	0,00	51,37	58,65	86,67	2,62
	6	Warsaw University of Technology	84,4	0,0	100,0	50,00	40,00	58,41	29,87	0,00	51,37	58,65	86,67	1,07
	7	Faculty of Automotive and Construction Machinery Engineering Warsaw University of Technology					MI-17 (A)			nessee!		Anna const		
		Faculty of Production Engineering	82,6	0,0	100,0	50,00	40,00	23,37	25,16	0,00	51,37	58,65	86,67	1,92
1		Faculty of Microsystem Electronics and Photonics	13,0	60,71	66,11	100,0	20,00	87,62	48,85	100,0	27,42	49,37	60,00	3,20
	9	Wroclaw University of Technology	73,7	60,71	66,11	75,00	92,00	64,92	18,61	100,0	27 42	49,37	60,00	5,47
	10	Faculty of Electronics Wroclaw University of Technology				E	- 2	120	- 11					
		Faculty of Mechanical Engineering	71,5	60,71	66,11	75,00	48,00	82,66	19,52	100,0	27,42	49,37	60,00	5,64
	П	Silesian University of Technology in Gliwice Faculty of Automatic Control, Electronics and Computer Science	70,6	30,71	31,30	75,00	80,00	93,18	41,26	100,0	65,03	66,78	100,0	0,00
	12	Silesian University of Technology in Gliwice	68,3	30,71	31,30	75,00	68,00	55,61	37,79	100,0	65.03	66,78	100,0	4,57
	13	Faculty of Mechanical Engineering Wroclaw University of Technology	- 0			AV(6)	- 12	- 0	- 27		1/8	120	(5)	
	13	Faculty of Electrical Engineering	63,4	60,71	66,11	75,00	20,00	83,53	29,47	0,00	27,42	49,37	60,00	3,17
	14	Poznan University of Technology Faculty of Computer Science	56,8	32,86	28,64	75,00	40,00	77,39	39,94	100,0	33,70	43,80	60,00	0,00
	15	Bialystok University of Technology	56,5	12,86	5,53	75,00	48,00	61,37	23,38	0,00	98,75	95,34	80,00	11,86
	16	Faculty of Mechanical Engineering Silesian University of Technology in Gliwice		District.	22.5	18780	20000000	VICTOR SERVICE		Service .		100000		
	10	Faculty of Electrical Engineering	54,5	30,71	31,30	50,00	28,00	25,82	39,82	0,00	65,03	66,78	100,0	8,48
	17	Poznan University of Technology Faculty of Mechanical Engineering and Management	52,3	32,86	28,64	75,00	60,00	82,19	20,57	0,00	33,70	43,80	60,00	27,82
	18	Gdansk University of Technology	51,0	22.04	33,40	75.00	76,00	64.26	22,92	0,00	26.14	57,83	40.00	17,27
		Faculty of Electronics, Telecommunications and Informatics	1000000	22,00	33,70	73,00	and the same					-0.000 / 0.000		17,27
	19	University of Zielona Gora Faculty of Computer, Electrical and Control Engineering	49,8	7,14	6,93	50,00	36,00	22,31	39,05	100,0	62,51	88,78	60,00	4,40
	20	Technical University of Lodz	49,0	11,43	28,50	75,00	60,00	56,42	48,87	0,00	26,52	66,77	66,67	9,78
	21	Faculty of Mechanical Engineering Technical University of Lodz	47.1	11.42	28,50	75.00			32,85	0.00	26.52	66,77	66.67	any end
		Faculty of Electrical, Electronic, Computer and Control Engineering	47,1			The second	0.000	29,80	32,85	0,00	26,52	00,//	00,07	3,83
	22	Military University of Technology in Warsaw Faculty of Mechatronics and Aviation	46,8	2,14	25,21	50,00	28,00	48,80	36,28	0,00	100,0	64,96	53,33	2,67
		racing of rectain office and Attacloff												2

	Architecture Perspektywy 2016 Planning	OVERALL SCORE	% Academic reputation	25 Employer reputation	% Parametric evaluation	% Academic level	% Academic titles awarded	% Students/staff ratio	% Assessment of PKA	%0 Publications	%0Citations	H-index	% Patents
	Warsaw University of Technology Faculty of Architecture	100,0	95,70	100,0	100,0	33,33	78,60	55,07	0,00	66,05	63,41	86,67	0,00
2	Wroclaw University of Technology Faculty of Architecture	92,5	100,0	68,24	100,0	33,33	95,02	46,97	100,0	25,55	51,79	66,67	0,00
3	Silesian University of Technology in Gliwice Faculty of Architecture	76,8	60,22	37,35	66,67	13,33	6,14	39,38	0,00	100,0	73,41	100,0	42,35
4	Cracow University of Technology Faculty of Architecture	76,2	82,80	37,45	100,0	33,33	51,85	60,89	100,0	15,56	35,79	60,00	0,00
5	Poznan University of Technology Faculty of Architecture	58,4	36,56	31,84	100,0	13,33	37,10	26,22	0,00	62,67	48,50	73,33	0,00
6	Gdansk University of Technology Faculty of Architecture	54,1	62,37	19,43	66,67	33,33	21,68	33,27	0,00	22,40	55,19	60,00	0,00
7	Opole University of Technology Faculty of Civil Engineering and Architecture	46,9	2,15	11,32	100,0	33,33	8,35	25,24	0,00	12,98	83,79	60,00	57,60
8	Technical University of Lodz Faculty of Civil Engineering, Architecture and Environmental Engineering	45,I	0,00	17,27	100,0	60,00	28,30	25,44	0,00	16,89	68,86	66,67	16,27
9=	Bialystok University of Technology Faculty of Architecture	43,1	4,30	14,14	66,67	13,33	0,00	32,83	0,00	32,34	100,0	80,00	0,00
9=	Nicolaus Copernicus University in Torun Faculty of Fine Arts	43,1	4,30	8,16	100,0	100,0	100,0	68,80	0,00	11,03	25,00	26,67	0,00
П	Lublin University of Technology Civil Engeneering and Architecture Faculty	40,6	2,15	9,87	100,0	13,33	6,52	24,38	0,00	11,61	49,07	46,67	75,00
12	West Pomeranian University of Technology in Szczecin Faculty of Civil Engineering and Architecture	40,4	12,90	3,57	100,0	46,67	11,59	24,12	0,00	6,09	38,80	33,33	62,22
13	Rzeszow University of Technology Faculty of Civil and Environmental Engineering	39,2	0,00	22,68	66,67	46,67	8,70	20,42	0,00	8,95	38,22	26,67	100,0
14=	Kielce University of Technology Faculty of Civil Engineering and Architecture	38,7	0,00	12,55	66,67	33,33	29,81	20,85	0,00	18,64	47,21	46,67	76,19
14=	University of Zielona Gora Faculty of Civil Engineering, Architecture and Environmental Engineering	38,3	0,00	4,58	66,67	46,67	10,57	45,10	0,00	10,83	93,18	60,00	0,00

	Electrical Perspektywy 2016 Engineering	OVERALL SCORE	%08 Academic reputation	%2 Employer reputation	Months of the Nation Months of	% Academic level	% Academic titles awarded	Students/staff ratio	Assessment of PKA	Months 2008	Citations	H-index	% Patents
1=	Warsaw University of Technology Faculty of Electrical Engineering	100,0	82,19	100,0	100,0	48,00	41,32	53,48	0,00	100,0	78,23	100,0	6,43
I=	Wroclaw University of Technology Faculty of Electrical Engineering	100,0	100,0	86,96	100,0	20,00	100,0	65,77	0,00	79,80	76,89	83,33	7,78
3	AGH University of Science and Technology Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering	94,3	50,68	68,43	100,0	100,0	91,37	74,70	100,0	46,91	96,13	87,50	12,90
4	Silesian University of Technology in Gliwice Faculty of Electrical Engineering	69,9	41,10	51,26	66,67	28,00	30,91	88,87	0,00	59,95	82,59	70,83	20,84
5	Gdansk University of Technology Faculty of Electrical and Control Engineering	59,6	35,16	31,57	66,67	28,00	46,34	44,19	0,00	56,52	88,13	62,50	15,63
6	Poznan University of Technology Faculty of Electrical Engineering	59,3	51,14	33,61	66,67	40,00	38,69	60,63	0,00	26,49	72,42	62,50	6,14
7	Technical University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering	55,8	25,57	22,62	100,0	80,00	35,67	73,31	0,00	18,49	61,26	58,33	9,41
8	University of Zielona Gora Faculty of Computer, Electrical and Control Engineering	53,2	5,48	7,10	66,67	36,00	26,71	87,14	100,0	21,25	100,0	58,33	10,81
9	Czestochowa University of Technology Faculty of Electrical Engineering	50,5	1,83	20,49	100,0	20,00	10,99	100,0	0,00	48,88	70,79	54,17	0,00
10	Bialystok University of Technology Faculty of Computer Science	49,2	13,70	11,35	66,67	28,00	48,08	83,72	0,00	30,40	90,00	54,17	12,97
11	Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics	48,5	5,48	12,19	66,67	40,00	50,97	69,56	0,00	13,70	63,09	45,83	100,0
12	Lublin University of Technology Electrical Engineering and Computer Science Faculty	48,0	21,00	15,12	100,0	20,00	22,19	60,55	0,00	18,62	44,70	41,67	54,87
13	West Pomeranian University of Technology in Szczecin Faculty of Electrical Engineering	45,6	1,83	11,71	100,0	40,00	38,46	87,98	0,00	23,63	63,04	45,83	6,48
14	Gdynia Maritime University Faculty of Marine Electrical Engineering	40,8	0,00	11,71	66,67	28,00	48,08	76,92	0,00	17,93	84,96	41,67	5,40
15	Cracow University of Technology Faculty of Electrical and Computer Engineering	39,1	10,05	28,96	33,33	8,00	16,72	44,73	0,00	43,70	56,29	41,67	33,83

	Ranking BY SUBJECT Perspektywy 2016 Civil Engineering	OVERALL SCORE	Academic reputation	25. Employer reputation	% Parametric evaluation	% Academic level	& Academic titles awarded	% Students/staff ratio	% Assessment of PKA	Mobilications	Citations	H-index	% Patents
1	Wroclaw University of Technology	100,0	100,0	74,98	66,67	35,71	52,36	49,89	100,0	57,21	65,52	84,21	0,00
2	Faculty of Civil Engineering AGH University of Science and Technology	00.0	24.45	00.17		100.0	07.70	20.25	100.0	01.21	07.10	100.0	15.24
	Faculty of Mining and Geoengineering	98,3	34,65	88,17	66,67	100,0	87,70	39,25	100,0	81,31	87,19	100,0	15,24
3	Warsaw University of Technology Faculty of Civil Engineering, Mechanics and Petrochemistry (Plock)	93,2	90,86	100,0	66,67	28,57	31,78	71,72	0,00	42,29	60,31	84,21	0,00
4	Warsaw University of Technology Faculty of Civil Engineering	91,1	90,86	100,0	66,67	35,71	48,42	39,71	0,00	42,29	60,31	84,21	0,00
5	Silesian University of Technology in Gliwice Faculty of Civil Engineering	79,0	20,92	68,78	66,67	35,71	78,87	53,34	0,00	100,0	82,56	100,0	0,00
6	Poznan University of Technology Faculty of Civil and Environmental Engineering	66,3	43,14	15,97	66,67	71,43	66,41	44,63	100,0	35,64	55,87	68,42	0,00
7	Gdansk University of Technology Faculty of Civil and Environmental Engineering	64,5	47,72	17,36	100,0	71,43	65,81	29,47	0,00	23,75	67,45	68,42	6,19
8	Cracow University of Technology Faculty of Civil Engineering	64,3	62,75	40,98	66,67	85,71	48,35	35,98	0,00	17,50	39,34	57,89	5,75
9	Cracow University of Technology Faculty of of Environmental Engineering	59,7	62,75	40,98	66,67	35,71	19,32	45,87	0,00	17,50	39,34	57,89	0,00
10	Technical University of Lodz Faculty of Civil Engineering, Architecture and Environmental Engineering	58,2	11,11	15,33	100,0	64,29	57,63	37,25	0,00	42,65	76,45	68,42	16,27
11	Opole University of Technology Faculty of Civil Engineering and Architecture	56,8	3,92	27,76	100,0	35,71	17,00	36,97	0,00	24,63	84,19	57,89	57,60
12	Lublin University of Technology Civil Engeneering and Architecture Faculty	53,8	2,61	22,24	100,0	14,29	13,28	35,70	0,00	36,12	67,08	52,63	75,00
13	Bialystok University of Technology Faculty of Civil and Environmental Engineering	51,0	1,31	10,37	66,67	85,71	55,69	43,22	0,00	19,33	89,30	63,16	33,10
14	University of Zielona Gora Faculty of Civil Engineering, Architecture and Environmental Engineering	50,2	0,00	30,50	66,67	50,00	21,52	66,04	0,00	13,57	100,0	57,89	0,00
15	Rzeszow University of Technology Faculty of Civil and Environmental Engineering	48,8	1,31	30,50	66,67	50,00	17,71	29,90	0,00	16,17	52,29	36,84	100,0
16=	Kielce University of Technology Faculty of Civil Engineering and Architecture	48,0	7,84	18,71	66,67	35,71	60,71	30,53	0,00	35,61	39,98	42,11	76,19
16=	Military University of Technology in Warsaw Faculty of Civil Engineering and Geodesy	46,5	4,58	33,28	66,67	28,57	100,0	31,29	0,00	38,41	56,60	42,11	0,00
18	West Pomeranian University of Technology in Szczecin Faculty of Civil Engineering and Architecture	43,7	1,96	18,07	100,0	50,00	23,61	35,31	0,00	10,60	34,12	26,32	62,22
19	Czestochowa University of Technology Faculty of Civil Engineering	43,4	0,00	7,59	66,67	14,29	19,77	40,62	0,00	65,06	63,78	47,37	22,33
20	University of Warmia and Mazury in Olsztyn Faculty of Geodesy, Geospatial and Civil Engineering	42,7	1,31	10,44	66,67	35,71	49,64	44,75	100,0	2,78	62,97	36,84	0,00

Name		Electronics and Telecommunication	OVERALL SCORE	% Academic reputation	Employer reputation	Parametric evaluation	%5 Academic level	& Academic titles awarded	%2 Students/staff ratio	% Assessment of PKA	Publications	Citations	H-index	% Patents
AGH University of Science and Technology Raculty of Computer Science, Electronics and Telecommunications Say, Marchan University of Technology Faculty of Microsystem Electronics and Photonics Say, Marchan University of Technology Faculty of Microsystem Electronics and Photonics Say, Marchan University of Technology Faculty of Electronics Say, Marchan University of Technology Say, Marchan University of Say, Marchan U	I		100,0											1,82
Saculty of Computer Science, Electronics and lelecommunications Saculty of Microsystem Electronics and Photonics Saculty of Microsystem Electronics and Photonics Paculty of Microsystem Electronics and Photonics Paculty of Microsystem Electronics and Photonics Paculty of Electronics Paculty of Automatic Control, Electronics and Computer Science Paculty of Automatic Control, Electronics and Computer Science Paculty of Electronics, Telecommunications and Informatics Paculty of Electronics, Telecommunications and Informatics Paculty of Electronics, Telecommunications Paculty of Electronics, Telecommunications Paculty of Electronics and Telecommunications Paculty of Electronics Pacu	2	AGH University of Science and Technology	90.7	86.89	80.58	75.00	65.22	50.83	76.61	0.00	61.71	96 13	87 50	39.06
Faculty of Microsystem Electronics and Photonics 4 Wroclaw University of Technology Faculty of Electronics 5 Silesian University of Technology in Gliwice Faculty of Automatic Control, Electronics and Computer Science 6 Gdansk University of Technology Faculty of Electronics, Telecommunications and Informatics 7 Poznan University of Technology Faculty of Electronics, Telecommunications and Informatics 8 Silesian University of Technology Faculty of Electronics, Telecommunications 8 Silesian University of Technology Faculty of Electronics, Telecommunications 8 Silesian University of Technology in Gliwice Faculty of Electronics and Telecommunications 8 Silesian University of Technology in Gliwice Faculty of Electronics and Telecommunications 8 Silesian University of Technology in Gliwice Faculty of Electrical Engineering 9 University of Zielona Gora Faculty of Computer, Electrical Engineering 10 Technical University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering 11 Czestochowa University of Technology Faculty of Electrical Engineering 12 Military University of Technology Faculty of Electrical Engineering 13 Opole University of Technology in Warsaw Faculty of Electrical Engineering, Automatic Control and Informatics Faculty of Electrical Engineering Faculty of Computer Science 10 Gdyna Maritime University Faculty of Computer Science 11 West Pomeranian University of Technology Faculty of Computer Science 12 Faculty of Maritime Univ			70,1	00,07	00,50	73,00	03,22	30,03	70,01	0,00	01,71	70,13	07,50	37,00
Wroclaw University of Technology Faculty of Electronics and Computer Science 66,1 20,77 47,81 75,00 86,96 97,89 81,42 100,0 23,62 82,59 70,83 0,00 66,20 36,72 10,00 37,17 76,89 83,33 13,44 75,00 36,96 97,89 81,42 100,0 23,62 82,59 70,83 0,00 66,00 70,80	3		83,8	74,32	53,71	100,0	21,74	92,05	96,39	100,0	37,17	76,89	83,33	7,86
Silesian University of Technology in Gliwice Faculty of Automatic Control, Electronics and Computer Science Faculty of Automatic Control, Electronics and Computer Science Faculty of Electronics, Telecommunications and Informatics	4	Wroclaw University of Technology	79,8	74,32	53,71	75,00	100,0	68,20	36,72	100,0	37,17	76,89	83,33	13,44
Faculty of Automatic Control, Electronics and Computer Science Gdansk University of Technology Faculty of Electronics, Telecommunications and Informatics 65,3 58,47 23,75 75,00 82,61 67,50 45,22 0,00 34,30 88,13 62,50 42,44 77,05 Electronics, Telecommunications 8 Silesian University of Technology in Gliwice Faculty of Electrical Engineering 9 University of Zielona Gora Faculty of Computer, Electrical and Control Engineering 10 Technical University of Technology Faculty of Electronic, Computer and Control Engineering 11 Czestochowa University of Technology Faculty of Electrical Engineering 12 Military University of Technology in Warsaw Faculty of Electrical Engineering 13 Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 14 Mest Pomeranian University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 15 Bialystok University of Technology Faculty of Electrical Engineering 16 Gdynia Maritime University 17 Faculty of Computer Science 18 Silesian University of Technology Faculty of Electrical Engineering 19 University of Computer Science 10 Technical University of Technology Faculty of Electrical Engineering 10 Technical University of Technology Faculty of Electrical Engineering 11 Czestochowa University of Technology Faculty of Electrical Engineering 11 Technology Faculty of Electrical Engineering 12 Military University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 13 Opole University of Technology Faculty of Electrical Engineering 14 University of Technology Faculty of Electrical Engineering 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 17 Faculty of Marine Electrical Engineering 18 Silesian University of Technology Faculty of Computer Science 19 Silesian University Faculty of Marine Electrical Engineering 19 Silesian University Faculty of Computer Science 10 Silesian University F	5	Silesian University of Technology in Gliwice	66.1	20.77	47.81	75.00	86 96	97 89	81 42	100.0	23.62	82 59	70.83	0.00
Faculty of Electronics, Telecommunications and Informatics 7 Poznan University of Technology Faculty of Electronics and Telecommunications 8 Silesian University of Technology in Gliwice Faculty of Electrical Engineering 9 University of Zielona Gora Faculty of Computer, Electrical and Control Engineering 10 Technical University of Technology Faculty of Electrical, Electronic, Computer and Control Engineering 11 Czestochowa University of Technology Faculty of Electrical Engineering 12 Military University of Technology in Warsaw Faculty of Oelectrical Engineering 13 Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 14 Mest Pomeranian University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 17 Poznan University of Sa, 13 (16, 16, 16, 16, 16, 16, 16, 16, 16, 16,			00,1	20,77	17,01	73,00	00,70	77,07	01,12	100,0	25,02	02,57	70,03	0,00
Poznan University of Technology Faculty of Electronics and Telecommunications Silesian University of Technology in Gliwice Faculty of Electrical Engineering Silesian University of Technology in Gliwice Faculty of Electrical Engineering Silesian University of Technology in Gliwice Faculty of Electrical Engineering Silesian University of Zielona Gora Faculty of Computer, Electrical and Control Engineering Silesian University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering Silesian University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering Silesian University of Technology Silesian Univ	6		65,3	58,47	23,75	75,00	82,61	67,50	45,22	0,00	34,30	88,13	62,50	42,44
8 Silesian University of Technology in Gliwice Faculty of Electrical Engineering 51,6 20,77 47,81 50,00 30,43 27,12 78,58 0,00 23,62 82,59 70,83 20,84 9 University of Zielona Gora Faculty of Computer, Electrical and Control Engineering 46,3 3,28 4,99 50,00 39,13 23,44 77,05 100,0 25,64 100,0 58,33 10,81 10 Technical University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering 45,0 10,38 22,75 75,00 86,96 31,30 64,82 0,00 22,30 61,26 58,33 9,41 11 Czestochowa University of Technology Faculty of Electrical Engineering 44,1 0,00 21,89 75,00 21,74 9,64 88,42 0,00 58,96 70,79 54,17 0,00 12 Military University of Technology Faculty of Electrical Engineering 43,5 13,11 9,40 50,00 43,48 23,01 73,72 0,00 49,95 83,76 62,50 0,00 13 Opole University of Technology Faculty of Electrical Engineering 40,3 <t< th=""><th>7</th><th>Poznan University of Technology</th><th>61,6</th><th>28,96</th><th>22,32</th><th>75,00</th><th>21,74</th><th>100,0</th><th>87,58</th><th>0,00</th><th>100,0</th><th>72,42</th><th>62,50</th><th>4,80</th></t<>	7	Poznan University of Technology	61,6	28,96	22,32	75,00	21,74	100,0	87,58	0,00	100,0	72,42	62,50	4,80
Faculty of Computer, Electrical and Control Engineering 10 Technical University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering 11 Czestochowa University of Technology Faculty of Electrical Engineering 12 Military University of Technology Faculty of Electronics 13 Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 14 West Pomeranian University of Technology Faculty of Electrical Engineering 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 17 No. 10,0 22,30 61,26 58,33 9,41 10,00 21,89 75,00 21,74 9,64 88,42 0,00 58,96 70,79 54,17 0,00 10,00 21,89 75,00 21,74 9,64 88,42 0,00 58,96 70,79 54,17 0,00 10,	8	Silesian University of Technology in Gliwice	51,6	20,77	47,81	50,00	30,43	27,12	78,58	0,00	23,62	82,59	70,83	20,84
Technical University of Lodz Faculty of Electrical, Electronic, Computer and Control Engineering	9		46,3	3,28	4,99	50,00	39,13	23,44	77,05	100,0	25,64	100,0	58,33	10,81
Faculty of Electrical, Electronic, Computer and Control Engineering 11 Czestochowa University of Technology Faculty of Electrical Engineering 12 Military University of Technology in Warsaw Faculty of Electronics 13 Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 14 West Pomeranian University of Technology in Szczecin Faculty of Electrical Engineering 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 17 Nov 21,73 75,00 86,96 31,30 84,82 0,00 22,30 61,26 36,33 9,41 0,00 21,89 75,00 21,74 9,64 88,42 0,00 58,96 70,79 54,17 0,00 43,48 23,01 73,72 0,00 49,95 83,76 62,50 0,00 11,92 50,00 43,48 44,73 61,50 0,00 49,95 83,76 62,50 0,00 11,92 50,00 43,48 44,73 61,50 0,00 16,53 63,09 45,83 100,00 10,00	10		45.0	10.20	22.75	75.00	0/ 0/	21.20	(4.02	0.00	22.20	(1.24	FO 22	0.41
Faculty of Electrical Engineering 12 Military University of Technology in Warsaw Faculty of of Electronics 43,5 13,11 9,40 50,00 43,48 23,01 73,72 0,00 49,95 83,76 62,50 0,00 62,50 63,09 62,50 63,09 62,50 63,09			45,0	10,38	22,75	/5,00	86,96	31,30	64,82	0,00	22,30	61,26	58,33	9,41
12 Military University of Technology in Warsaw Faculty of of Electronics 43,5 13,11 9,40 50,00 43,48 23,01 73,72 0,00 49,95 83,76 62,50 0,00 73,72 0,00	11		44,1	0,00	21,89	75,00	21,74	9,64	88,42	0,00	58,96	70,79	54,17	0,00
Faculty of of Electronics Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics 14,3 O,00 11,92 50,00 43,48 44,73 61,50 0,00 16,53 63,09 45,83 100,00 10,92 75,00 43,48 33,75 77,80 O,00 28,51 63,04 45,83 6,48 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 36,4 O,00 15,91 50,00 30,43 42,19 68,02 O,00 21,63 84,96 41,67 5,40 Faculty of Marine Electrical Engineering	12		42.5	12.11	0.40	FO 00	42.40	22.01	72.72	0.00	40.05	02.7/	(2.50	0.00
Faculty of Electrical Engineering, Automatic Control and Informatics 14 West Pomeranian University of Technology in Szczecin Faculty of Electrical Engineering 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 36,4 37,10 37,10 37,10 38,8 38,00 38,8 38,00 38,8 3			43,5	13,11	9,40	30,00	43,40	23,01	/3,/2	0,00	47,73	03,/0	62,50	0,00
Faculty of Electrical Engineering 15 Bialystok University of Technology Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 17 Morardia University Faculty of Marine Electrical Engineering 18 August 19 Augu	13	Faculty of Electrical Engineering, Automatic Control and Informatics	41,3	0,00	11,92	50,00	43,48	44,73	61,50	0,00	16,53	63,09	45,83	100,0
15 Bialystok University of Technology 39,8 0,00 9,93 50,00 30,43 42,19 74,02 0,00 36,67 90,00 54,17 12,97 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 36,4 0,00 15,91 50,00 30,43 42,19 68,02 0,00 21,63 84,96 41,67 5,40 17 Konstlint University of Technology Faculty of Marine Electrical Engineering 39,8 0,00 9,93 50,00 30,43 42,19 68,02 0,00 21,63 84,96 41,67 5,40 18 Technology Faculty of Marine Electrical Engineering 50,00 30,43 42,19 68,02 0,00 21,63 84,96 41,67 5,40 19 Technology Faculty of Marine Electrical Engineering 50,00	14		40,3	7,10	10,92	75,00	43,48	33,75	77,80	0,00	28,51	63,04	45,83	6,48
Faculty of Computer Science 16 Gdynia Maritime University Faculty of Marine Electrical Engineering 17 Konnelin University of Tachnelons 18 94,96 41,67 5,40	15	Bialystok University of Technology	39,8	0,00	9,93	50,00	30,43	42,19	74,02	0,00	36,67	90,00	54,17	12,97
Faculty of Marine Electrical Engineering Faculty of Marine Electrical Engineering Faculty of Marine Electrical Engineering	16													
17 Kassiin Heisewitz of Tachyalass	10		36,4	0,00	15,91	50,00	30,43	42,19	68,02	0,00	21,63	84,96	41,67	5,40
	17=	Koszalin University of Technology	32,7	3,28	16,43	50,00	17,39	33.75	62.17	0,00	19,76	74,74	29,17	0.00
Faculty of Electronics and Computer Science			J-,,	W. 50	10,10	55,55	1,,0,	35,75	JZ,11	0,00	3000	1000		3,30
17= Rzeszow University of Technology Faculty of Electrical and Computer Engineering 32,7 8,20 25,36 50,00 30,43 22,94 42,17 0,00 19,30 54,50 37,50 5,04	17=		32,7	8,20	25,36	50,00	30,43	22,94	42,17	0,00	19,30	54,50	37,50	5,04

	Perspektywy 2016 Power Engineering	OVERALL SCORE	Academic reputation	Employer reputation	Parametric evaluation	% Academic level	% Academic titles awarded	% Students/staff ratio	% Assessment of PKA	Publications	Citations	H-index	%2 Patents
1	Warsaw University of Technology	100,0	78.79	100,0	75,00	100,0	60,59	31,07	100,0	100	76,58	95,24	7,01
	Faculty of Power and Aeronautical Engineering	,.				100000			0.000		ROMANNE	200000000000000000000000000000000000000	
2	AGH University of Science and Technology	88,7	100,0	71,79	75,00	60,00	29,53	31,62	100,0	48,28	84,07	80,95	0,00
3	Faculty of Geology, Geophysics and Environmental Protection AGH University of Science and Technology												
_	Faculty of Energy and Fuels	83,1	100,0	71,79	75,00	35,00	79,98	28,45	0,00	48,28	84,07	80,95	10,52
4	Silesian University of Technology in Gliwice	80.4	98,48	E 14	75.00	75,00	100,0	48,83	100,0	39,69	76,32	90,48	16,30
	Faculty of Energy and Environmental Engineering	00,4	70,40	5,46	75,00	75,00	100,0	40,03	100,0	37,07	70,32	70,40	10,30
5	Wroclaw University of Technology	79,5	74.24	74,54	50,00	35,00	71,12	25,24	0,00	81,14	86,71	100	17,89
	Faculty of Mechanical and Power Engineering	200	o nem	W. C. S. S. S.						(Section 1)	CONTRACTOR (CA)		
6	Silesian University of Technology in Gliwice Faculty of Electrical Engineering	64,3	98,48	5,46	50,00	35,00	21,62	40,78	0,00	39,69	76,32	90,48	20,84
7	University of Warsaw	42.0	2.02	27.12	100.0	(0.00	05.40	100.0	1000	14.00	100	00.05	2.20
	Faculty of Physics	63,9	3,03	27,12	100,0	60,00	85,49	100,0	100,0	14,98	100	80,95	3,30
8	University of Warsaw	59,4	3,03	27,12	100,0	25,00	89,67	78,21	100,0	14,98	100	80,95	0,00
1,456	Faculty of Chemistry		5,55		,.	20,00	07,01	. 0,2,	100,0	11,70		50,75	0,00
9	Cracow University of Technology Faculty of Mechanical Engineering	52,2	51,52	48,18	50,00	80,00	39,63	30,97	0,00	14,93	45,21	52,38	10,42
10	Gdansk University of Technology		24.24							10.40			01.50
	Faculty of Ocean Engineering and Ship Technology	48,8	36,36	27,18	50,00	25,00	29,24	13,51	0,00	12,69	72,04	57,14	84,58
11	Technical University of Lodz	48,5	12.12	29,99	75,00	75,00	47,24	50,05	0,00	9,74	75,73	61,9	24.04
	Faculty of Mechanical Engineering	40,3	12,12	20,00	75,00	75,00	17,21	30,03	0,00	10000	,,,,,,	01,2	21,01
12	Technical University of Lodz	46,3	12,12	29,99	75,00	100,0	24,95	33,64	0,00	9,74	75,73	61,9	9,41
13	Faculty of Electrical, Electronic, Computer and Control Engineering Gdansk University of Technology				11-01-0-01		(Marie Anna and A		contrada.		Market Co. 15		120001000
13	Faculty of Mechanical Engineering	45,6	36,36	27,18	50,00	35,00	22,84	20,76	0,00	12,69	72,04	57,14	39,15
14	Cracow University of Technology	44,3	51,52	48,18	25,00	10,00	11,70	20,53	0,00	14,93	45,21	52,38	33,83
	Faculty of Electrical and Computer Engineering	44,5	31,32	70,10	25,00	10,00	11,70	20,33	0,00	17,73	73,21	32,30	33,03
15	Bialystok University of Technology	44,0	15,15	17,26	75,00	60,00	51,38	23,94	0,00	7,58	80,88	57,14	29,14
16	Faculty of Mechanical Engineering												
10	Gdansk University of Technology Faculty of Electrical and Control Engineering	43,8	36,36	27,18	50,00	35,00	32,41	20,28	0,00	12,69	72,04	57,14	15,63
17	Czestochowa University of Technology	42,5	6,06	34,52	E0 00	75 00	60,30	42.25	0,00	15,58	55,78	61,9	4,47
3563	Faculty of Mechanical Engineering and Computer Science	42,3	0,00	34,32	30,00	73,00	00,30	03,23	0,00	13,30	33,76	01,5	1,1/
18	West Pomeranian University of Technology in Szczecin	41,7	0,00	9,06	75,00	50,00	21,96	42,36	0,00	18,6	96,76	52,38	31,76
	Faculty of Mechanical Engineering and Mechatronics											THE STATE OF THE S	
19	Opole University of Technology Faculty of Electrical Engineering, Automatic Control and Informatics	41,1	0,00	15,48	50,00	50,00	35,65	31,92	0,00	7	77,09	47,62	100,0
20	Czestochowa University of Technology	40.0	(0)	24.52	E0.00	25.00	FO (2	70.17	0.00	15.50	FF 70	(10	0.00
	Faculty of Infrastructure and Environment	40,8	6,06	34,52	50,00	35,00	58,63	79,17	0,00	15,58	55,78	61,9	0,00

	Engineering Perspektywy and Chemical Technology	OVERALL SCORE	%08 Academic reputation	% Employer reputation	%0 Parametric evaluation	% Academic level	% Academic titles awarded	% Students/staff ratio	% Assessment of PKA	%0 Publications	Citations	H-index	% Patents
1	Warsaw University of Technology	100,0	100,0	100,0	100,0	80,95	100,0	50,27	0,00	36,95	83,27	100,0	13,58
2	Faculty of Chemistry Wroclaw University of Technology			- 4		31					- 2		
_	Faculty of Chemistry	99,9	100,0	83,84	100,0	100,0	50,98	32,97	100,0	41,48	77,23	88,46	10,82
3	Warsaw University of Technology	98,5	100.0	100,0	100,0	23,81	27,37	46,68	100,0	36,95	83,27	100.0	2,35
	Faculty of Chemical and Process Engineering	70,3	100,0	100,0	100,0	23,01	27,37	70,00	100,0	30,73	03,27	100,0	2,33
4	Warsaw University of Technology	84,9	100,0	100,0	66,67	19,05	12,28	35,14	0,00	36,95	83,27	100,0	0,00
5	Faculty of Civil Engineering, Mechanics and Petrochemistry (Plock) AGH University of Science and Technology					ALTERNATION WILLIAM							
,	Faculty of Materials Science and Ceramics	77,8	51,11	75,37	100,0	71,43	69,30	56,58	0,00	41,27	71,43	76,92	13,19
6	Silesian University of Technology in Gliwice Faculty of Chemistry	76,9	45,56	55,03	100,0	71,43	53,58	47,93	0,00	100,0	64,45	69,23	10,69
7	AGH University of Science and Technology Faculty of Energy and Fuels	70,2	51,11	75,37	100,0	33,33	48,82	22,21	0,00	41,27	71,43	76,92	4,57
8	Poznan University of Technology	69,6	47,78	38,83	100,0	42,86	54,22	38,39	0,00	65,02	63,49	65,38	45,78
	Faculty of Chemical Technology	07,0	47,70	30,03	100,0	42,00	34,22	30,37	0,00	65,02	03,47	03,30	43,76
9	West Pomeranian University of Technology in Szczecin Faculty of Chemical Technology and Engineering	66,4	22,22	12,50	100,0	47,62	26,70	100,0	0,00	42,12	78,37	65,38	100,0
10	Gdansk University of Technology Faculty of Chemistry	63,6	31,11	28,66	100,0	71,43	55,69	36,22	100,0	23,46	75,42	57,69	9,90
11	Technical University of Lodz	62,2	42,22	22,74	100,0	47,62	23,75	79,62	0,00	34,91	71,83	69,23	15,61
12	Faculty of Chemistry Technical University of Lodz	,-	,		200,00	,	,	,	0,00		,	,	
12	Faculty of Process and Environmental Engineering	55,4	42,22	22,74	66,67	47,62	26,27	49,59	0,00	34,91	71,83	69,23	21,06
13	University of Silesia in Katowice Faculty of Mathematics, Physics and Chemistry	49,1	0,00	14,31	100,0	71,43	34,45	81,17	0,00	9,87	100,0	53,85	0,00
14	Cracow University of Technology Faculty of Chemical Engineering and Technology	48,0	22,22	47,26	66,67	42,86	46,31	40,98	0,00	42,16	35,12	42,31	12,54
15	Rzeszow University of Technology	40 -		20.14	=	22.22	20.07	20.01	0.00		50.44	40.01	17.00
	Faculty of Chemistry	42,7	21,11	22,16	66,67	33,33	38,24	32,91	0,00	29,14	58,66	42,31	17,00
16	Czestochowa University of Technology Faculty of Production Engineering and Materials Technology	42,0	0,00	22,12	66,67	57,14	34,50	70,23	0,00	26,52	64,50	53,85	4,74
17	University of Warmia and Mazury in Olsztyn Faculty of Food Sciences	38,5	0,00	20,89	100,0	23,81	34,69	67,39	0,00	7,97	58,90	30,77	0,00
18	Opole University of Technology Faculty of Mechanical Engineering	36,1	4,44	9,01	100,0	33,33	31,49	28,68	0,00	15,32	56,11	46,15	3,09

	Material Perspektywy 2016 Material Engineering	OVERALL SCORE	Academic reputation	Employer reputation	%Darametric evaluation	% Academic level	% Academic titles awarded	% Students/staff ratio	Assessment of PKA	Publications	Citations 10%	H-index	%2 Patents
	Warsaw University of Technology	100,0	74,19	78,13	100,0	23,81	100,0	56,88	0,00	100,0	71,39	100,0	4,31
	Faculty of Materials Science and Engineering	100,0	7=151-X	70,13	100,0	23,01	100,0	30,00	0,00	100,0	71,32	100,0	N. T. S. A.
2	AGH University of Science and Technology	94.6	100,0	100,0	75.00	71,43	44,00	56,58	0,00	17,11	59,21	73,33	12,34
	Faculty of Materials Science and Ceramics			,.	,		,	,	.,				
3	AGH University of Science and Technology Faculty of Non-Ferrous Metals	91,9	100,0	100,0	75,00	47,62	43,31	34,60	0,00	17,11	59,21	73,33	25,98
4	AGH University of Science and Technology												
-	Faculty of Metals Engineering and Industrial Computer Science	83,8	100,0	100,0	50,00	47,62	13,50	26,63	0,00	17,11	59,21	73,33	4,56
5	Wroclaw University of Technology		45.00	AT A PERSON		100.0							10.10
- 2	Faculty of Chemistry	77,0	33,06	64,51	75,00	100,0	32,37	32,97	100,0	16,52	77,89	90,00	10,12
6	Silesian University of Technology in Gliwice	70,7	40,32	54 55	75,00	80,95	18,04	30,21	100,0	12,04	65,38	73,33	4,57
-	Faculty of Mechanical Engineering	70,7	40,32	30,33	75,00	00,73	10,04	30,21	100,0	12,04	05,30	/3,33	4,37
7	Jagiellonian University in Krakow	62,3	10,89	31.51	100.0	57,14	30,50	81.21	0,00	14,87	100,0	76,67	2,25
_	Faculty of Physics, Astronomy and Applied Computer Science	02,0				- Contract	50,50	0.,2,	0,00	. Maria Maria	100,0	Similar.	
8	Silesian University of Technology in Gliwice	60,6	40,32	56,55	50,00	57,14	16,93	58,59	0,00	12,04	65,38	73,33	4,51
9	Faculty of Materials Engineering and Metallurgy West Pomeranian University of Technology in Szczecin						100000000000000000000000000000000000000						
7	Faculty of Chemical Technology and Engineering	58,1	12,90	12,57	75,00	47,62	16,95	100,0	0,00	5,67	73,67	53,33	93,54
10=	, , , , , ,												
	Faculty of Chemistry	52,1	1,61	23,88	75,00	71,43	35,36	36,22	100,0	4,94	71,41	63,33	9,26
10=		52,1	14.04	42,40	E0.00	57,14	21,90	70,23	0,00	17,88	66,96	60,00	4,44
	Faculty of Production Engineering and Materials Technology	32,1	10,74	42,40	30,00	3/,14	21,70	70,23	0,00	17,00	00,70	60,00	7,77
12	Poznan University of Technology	51.7	10,08	36,02	75 00	71,43	26,67	16,44	0,00	13,10	76,93	66,67	27,82
	Faculty of Mechanical Engineering and Management	J.,,.	10,00	50,02	75,00	7 1, 15	20,07	10,11	0,00	15,10	70,75	00,07	27,02
13	Military University of Technology in Warsaw	50,0	17,74	12,76	75,00	33,33	31,73	84,80	0,00	17,50	68,13	66,67	2,29
	Faculty of of New Technologies and Chemistry	5.		0.000	- 10	(7)	207.0		107.0			- "	
14	Technical University of Lodz Faculty of Material Technologies and Textile Design	49,8	13,71	25,23	75,00	23,81	21,82	60,63	0,00	6,30	57,83	66,67	51,55
15	Technical University of Lodz							-5.72					
	Faculty of Chemistry	49,4	13,71	25,23	75,00	47,62	15,08	79,62	0,00	6,30	57,83	66,67	14,61
16	Technical University of Lodz	44.4	12.71	25.23	75,00	71.42	18,31	39,07	0,00	(20	57,83	// /7	0.70
-300.0	Faculty of Mechanical Engineering	46,6	13,71	25,23	75,00	71,43	10,31	39,07	0,00	6,30	37,83	66,67	9,78
17	Lublin University of Technology	45.1	0.00	9.64	75.00	42,86	31,35	18,38	0,00	7,26	65.73	53.33	100.0
1990	Mechanical Engineering Faculty	13,1	0,00	2,01	75,00	12,00	31,33	10,50	0,00	7,20	05,7,5	55,55	100,0
18	Cracow University of Technology	44,7	20,97	40,20	50,00	42,86	29,41	40,98	0,00	3,57	50,74	53,33	11,73
16	Faculty of Chemical Engineering and Technology												
19	University of Silesia in Katowice	44,1	25,00	18,32	50,00	33,33	8,77	28,09	0,00	20,95	75,54	63,33	1,97
20	Faculty of Computer Science and Materials Science Cracow University of Technology					22.00	Daniel Control	050/00/00	100000000000000000000000000000000000000	20000	Magazara		
20	Faculty of Mechanical Engineering	44,0	20,97	40,20	50,00	76,19	15,36	24,17	0,00	3,57	50,74	53,33	4,24

	Perspektywy 2016 Perspektywy Engineering	OVERALL SCORE	Academic reputation	Employer reputation	Parametric evaluation	% Academic level	% Academic titles awarded	%Students/staff ratio	% Assessment of PKA	%0hlications	Citations	H-index	% Patents
1	Wroclaw University of Technology	100,0	C 44000000000				2222					Charles Services	
130	Faculty of Mechanical Engineering	100,0	100,0	77,40	100,0	70,59	61,94	22,21	100,0	50,52	72,96	77,78	5,64
2	AGH University of Science and Technology	92,2	90,28	61.73	100,0	58,82	100,0	49,27	0,00	55.33	65,20	83.33	25,98
3	Faculty of Non-Ferrous Metals AGH University of Science and Technology	-,-	70,20	01,10	,.	50,02	100,0	,	0,00	00,00	00,20	00,00	20,70
3	Faculty of Mining and Geoengineering	89,5	90,28	61,73	66,67	82,35	49,68	27,38	100,0	55,33	65,20	83,33	1,68
4	Warsaw University of Technology												
	Faculty of Production Engineering	86,9	56,94	100,0	66,67	58,82	17,51	28,64	0,00	100,0	73,46	100,0	1,92
5	Warsaw University of Technology	84.7	56,94	100,0	44 47	29,41	39,30	20,19	0.00	100.0	73,46	100.0	0,00
	Faculty of Management	04,7	30,74	100,0	66,67	27,41	37,30	20,17	0,00	100,0	/3,40	100,0	0,00
6	Silesian University of Technology in Gliwice Faculty of Mechanical Engineering	84,5	52,78	63,72	100,0	100,0	41,67	43,02	100.0	34.41	67,57	88,89	4,57
7	AGH University of Science and Technology	100			,.	,.	,						1,727
- 22	Faculty of Management	82,3	90,28	61,73	100,0	23,53	31,50	28,98	0,00	55,33	65,20	83,33	0,99
8	Silesian University of Technology in Gliwice			/2.70		70.50	20.00	02.42		24.41			
	Faculty of Materials Engineering and Metallurgy	74,5	52,78	63,72	66,67	70,59	39,09	83,43	0,00	34,41	67,57	88,89	4,51
9	Poznan University of Technology Faculty of Mechanical Engineering and Management	72,0	26.39	63,27	100,0	88,24	61,58	23,41	0,00	64.36	58,89	72,22	27,82
10	Silesian University of Technology in Gliwice	,-								1000			
	Faculty of Organization and Management	67,1	52,78	63,72	66,67	41,18	26,42	40,02	0,00	34,41	67,57	88,89	0,64
П	Technical University of Lodz												
	Faculty of Mechanical Engineering	60,1	9,72	39,92	100,0	88,24	42,28	55,63	0,00	46,19	57,57	72,22	9,78
12	Lublin University of Technology	55.7	8,33	15,48	100,0	52,94	72,40	26,18	0,00	22 17	66,41	50,00	100.0
13	Mechanical Engineering Faculty Opole University of Technology	33,7	0,33	13,70	100,0	32,77	72,70	20,10	0,00	23,17	00,71	30,00	100,0
•	Faculty of of Production Engineering and Logistics	53,3	44,44	9,82	66,67	11,76	0,00	35,42	0,00	38,58	100,0	66,67	1,37
14	Cracow University of Technology										NAME OF TAXABLE PARTY.		
	Faculty of Mechanical Engineering	51,1	27,78	34,59	66,67	94,12	35,47	34,42	0,00	27,48	44,27	55,56	4,24
15	Czestochowa University of Technology	49,8	16,67	27,32	66,67	70,59	50,58	100,0	0,00	14 94	43,00	50.00	4,44
16	Faculty of Production Engineering and Materials Technology Poznan University of Economics	47,0	10,07	27,32	00,07	70,37	30,30	100,0	0,00	10,70	73,00	30,00	NO.
10	Faculty of Commodity Science	49,5	0,00	10,83	100,0	29,41	27,78	50,17	100,0	7,12	99,00	27,78	4,06
17	Gdansk University of Technology	355.03											
200	Faculty of Mechanical Engineering	48,7	20,83	33,09	66,67	41,18	20,44	23,07	0,00	44,80	57,18	55,56	15,93
18	West Pomeranian University of Technology in Szczecin	40.4	0.00	F 2.4	100.0	FO 03	10.75	47.00	0.00	24.02	00.07		12.02
	Faculty of Mechanical Engineering and Mechatronics	48,6	0,00	5,24	100,0	58,82	19,65	47,08	0,00	24,03	98,87	66,67	12,93
19	Rzeszow University of Technology Faculty of Mechanical Engineering and Aeronautics	47,0	19,44	17,35	66,67	82,35	74,93	22,46	0.00	21 22	56,04	55 56	19,57
20	Technical University of Lodz	17,0			50,07	02,00	, ,,,,	22, 10	0,30	-1,54	30,01	30,30	Micards.
make:	Faculty of Organization and Management	44.0	9,72	39,92	66,67	11,76	5,41	21,83	0.00	46 19	57,57	72.22	0,00

	Environmental Engineering	OVERALL SCORE	Academic reputation	%Employer reputation	Parametric evaluation	% Academic level	% Academic titles awarded	%Students/staff ratio	Assessment of PKA	Publications	Citations %01	Xepui-H	% Patents
1	Silesian University of Technology in Gliwice	100,0	89,80		100,0	100,0	100,0	61,68	100,0	69,82	70,50	94,44	14,53
	Faculty of Energy and Environmental Engineering	100,0	0,,00	911,000	100,0	100,0	100,0	01,00	100,0	07,02	10,50	MSWMS	
2	Wroclaw University of Technology	94,6	93,88	87,36	100,0	33,33	77,60	41,76	0,00	84,19	69,30	100,0	22,24
3	Faculty of Environmental Engineering	100000		10,070,000	0000000	570,000,000	C-SHEERING N	0.01.000	100000		100.001000		
3	Warsaw University of Technology Faculty of Civil Engineering, Mechanics and Petrochemistry (Plock)	84,7	100,0	100,0	66,67	26,67	20,11	56,87	0,00	45,10	65,01	94,44	0,00
4	Warsaw University of Technology												
2000	Faculty of Building Services, Hydro and Environmental Engineering	84,5	100,0	100,0	66,67	33,33	38,09	40,54	0,00	45,10	65,01	94,44	2,05
5	AGH University of Science and Technology	79,4	51,02	79.20	100,0	80,00	29,53	39,94	100,0	30,59	70,92	88,89	0,00
TO COMMITTEE OF THE PARTY OF TH	Faculty of Geology, Geophysics and Environmental Protection	7,7,4	31,02	77,20	100,0	00,00	27,33	37,74	100,0	30,37	70,72	00,07	0,00
6	AGH University of Science and Technology	76,4	51,02	79,20	66,67	93,33	55,51	31,12	100,0	30,59	70,92	88,89	3,67
-	Faculty of Mining and Geoengineering	2000											
7	AGH University of Science and Technology Faculty of Mining Surveying and Environmental Engineering	70,0	51,02	79,20	66,67	66,67	77,60	36,77	0,00	30,59	70,92	88,89	11,12
8	Gdansk University of Technology		-										
	Faculty of Civil and Environmental Engineering	64,4	53,06	22,36	100,0	66,67	41,65	23,37	0,00	37,28	100,0	83,33	1,49
9	Czestochowa University of Technology	63,2	32,65	60.36	66,67	46,67	58,63	100,0	0,00	61,26	49,94	55,56	0,00
- 27	Faculty of Infrastructure and Environment	03,2	32,03	00,30	00,07	40,07	30,03	100,0	0,00	01,20	72,27	33,30	0,00
10	University of Warmia and Mazury in Olsztyn	63,2	16.33	23,39	100,0	46,67	0,00	60,41	100,0	86,92	65,89	72,22	0,00
	Faculty of Environmental Sciences					1.00							
11	Technical University of Lodz	59,2	26,53	32,50	66,67	66,67	43,04	80,25	0,00	43,49	59,05	77,78	43,17
12	Faculty of Process and Environmental Engineering Warsaw University of Life Sciences - SGGW												
12	Faculty of Civil and Environmental Engineering	57,4	16,33	57,61	100,0	66,67	34,99	42,89	0,00	34,27	65,16	61,11	9,40
13	Lublin University of Technology	F4 0	12.24	32,34	66,67	33,33	36,35	21.45	0,00	74.75	59,07	Z1 11	100.0
	Environmental Engineering Faculty	56,9	12,24	32,34	00,07	33,33	36,33	31,00	0,00	76,75	39,07	61,11	100,0
14	Poznan University of Life Sciences	55,4	10.20	37,59	66,67	33,33	52,92	53.09	0,00	100,0	65,06	72,22	0,00
	Faculty of Land Reclamation and Environmental Engineering	33,1	10,20	37,37	00,07	33,33	52,72	55,07	0,00	100,0	05,00	, _,	0,00
15	Technical University of Lodz	54,5	26,53	32,50	100,0	60,00	36,48	29,54	0,00	43,49	59,05	77,78	3,92
	Faculty of Civil Engineering, Architecture and Environmental Engineering					NIN SOLIS SOL					Townson.		
16	Poznan University of Technology Faculty of Civil and Environmental Engineering	51,4	12,24	26,92	66,67	66,67	42,03	35,39	100,0	41,32	54,72	72,22	0,00
17	Opole University of Technology	47.5	4.15	24.02	100.0	1/ /7	FLEC	47.41	0.00	17.17	72.40	FO 00	4.34
	Faculty of Mechanical Engineering	47,5	6,12	34,92	100,0	46,67	51,59	46,41	0,00	17,17	72,40	50,00	6,34
18	University of Agriculture in Krakow	45.8	28 57	35,95	66 67	46,67	43,79	37.00	0,00	25,87	51,83	50,00	0.00
	Faculty of Environmental Engineering and Land Surveying	43,0	20,37	33,73	00,07	10,07	13,77	37,00	0,00	23,07	31,03	30,00	0,00

	Ranking BY SUBJECT Perspektywy 2016 To studies	OVERALL SCORE	Academic reputation	Employer reputation	arametric evaluation	Academic level	cademic titles awarded	Students/staff ratio	sessment of PKA	Publications	Citations	H-index	Patents
		VER		15%	Chi.			₹ 7%	As			± 5%	Zo.
T	Warsaw University of Technology		20%		10%	5%	3%		5%	10%	10%		7%
	Faculty of Electronics and Information Technology	100,0	100,0	100,0	100,0	80,00	36,02	28,33	0,00	58,45	48,93	92,31	1,82
2	Warsaw University of Technology	00.0	100.0	100.0	75.00	20.00	2.10	25.74	100.0	FO 4F	40.03	02.21	0.00
	Faculty of Mathematics and Information Science	98,9	100,0	100,0	75,00	28,00	2,19	35,64	100,0	58,45	48,93	92,31	0,00
3	AGH University of Science and Technology	98,0	90 04	84,46	75,00	100,0	31,68	18,71	100,0	24 45	62,16	100	12,90
	Faculty of Electrical Engineering, Automatics, Computer Science and Biomedical Engineering	70,0	07,70	04,40	75,00	100,0	31,00	10,/1	100,0	30,03	02,10	100	12,70
4	AGH University of Science and Technology	92,2	89 96	84,46	100,0	28,00	61,54	47,52	0,00	36.65	62,16	100	2,00
_	Faculty of Physics and Applied Computer Science	,-	07,70	01,10	100,0	20,00	01,51	17,52	0,00	30,03	02,10	100	2,00
5=	AGH University of Science and Technology	91,9	89,96	84,46	75,00	48,00	14,63	17,26	100,0	36,65	62,16	100	0,00
5=	Faculty of Geology, Geophysics and Environmental Protection Warsaw University of Technology												
3=	Faculty of Electrical Engineering	91,9	100,0	100,0	75,00	48,00	14,33	13,40	0,00	58,45	48,93	92,31	6,43
7	AGH University of Science and Technology	16.		- 0		- 80	- 1				- 20	100	
	Faculty of Computer Science, Electronics and Telecommunications	90,2	89,96	84,46	75,00	60,00	20,08	21,71	0,00	36,65	62,16	100	39,06
8	University of Warsaw	- Lance											
	Faculty of Mathematics, Informatics and Mechanics	89,7	76,03	25,68	100,0	40,00	35,87	41,23	100,0	100	63,49	84,62	0,00
9	Wroclaw University of Technology		F0 10	70.05	75.00	02.00	24.04	10.40	100.0			07.15	NAME OF STREET
	Faculty of Electronics	84,6	59,18	70,05	75,00	92,00	26,94	10,40	100,0	50,55	53,91	96,15	13,44
10	AGH University of Science and Technology	81,6	00 04	84,46	50,00	40,00	17,27	18,63	0,00	24 45	62,16	100	11,20
	Faculty of Metals Engineering and Industrial Computer Science	01,0	07,70	04,40	30,00	40,00	17,27	10,03	0,00	30,03	02,10	100	11,20
Ш	Wroclaw University of Technology	73,7	59 18	70,05	75,00	48,00	13,33	25,06	0,00	50,55	53,91	96,15	1,85
	Faculty of Fundamental Problems of Technology	73,7	32,10	70,03	75,00	10,00	13,33	25,00	0,00	50,55	7.50	20,15	NO.
12	Poznan University of Technology	69.9	53.18	39,36	75,00	40,00	32.12	22,33	100.0	46	51,98	76,92	0.00
13	Faculty of Computer Science Jagiellonian University in Krakow			200							S		300
13	Faculty of Mathematics and Computer Science	68,1	38,20	22,74	100,0	40,00	48,58	27,33	100,0	37,19	75,71	65,38	0,00
14	Wroclaw University of Technology						- 20	72					-
5.05	Faculty of Computer Science and Management	68,0	59,18	70,05	50,00	40,00	17,28	11,90	0,00	50,55	53,91	96,15	0,00
15	Jagiellonian University in Krakow		56.56			40.00	20.01						
	Faculty of Physics, Astronomy and Applied Computer Science	64,5	38,20	22,74	100,0	48,00	39,01	56,80	0,00	37,19	75,71	65,38	5,52
16	Silesian University of Technology in Gliwice	62,5	10.40	42,40	75,00	80,00	38,67	23,07	100,0	30,43	56,04	80,77	0,00
1000	Faculty of Automatic Control, Electronics and Computer Science	02,5	17,40	42,40	75,00	80,00	30,07	23,07	100,0	30,43	30,04	00,77	0,00
17	Poznan University of Technology	62,1	53 18	39,36	75,00	20,00	39,51	24,81	0,00	46	51 98	76,92	4,80
10	Faculty of Electronics and Telecommunications	02,1	33,10	37,50	75,00	20,00	37,31	21,01	0,00	100	31,000	19:25	1,00
18	Silesian University of Technology in Gliwice Faculty of Mechanical Engineering	61,9	19.48	42,40	75,00	68,00	23,08	21,13	100,0	30,43	56,04	80,77	11,22
19	Gdansk University of Technology			1.5	,	,	to be to the total		, .		adat.adat		
17	Faculty of Electronics, Telecommunications and Informatics	58,4	23,22	30,99	75,00	76,00	26,67	12,81	0,00	64,88	46,01	61,54	42,44
20	Poznan University of Technology												
		57,9	53,18	39,36	50,00	40,00	13,41	15,19	0,00	46	51,98	76,92	6,14
21	Faculty of Electrical Engineering												11

	Mechanical Perspektywy 2016 Machine Building	OVERALL SCORE	%08 Academic reputation	%Employer reputation	Parametric evaluation	Academic level	% Academic titles awarded	Students/staff ratio	% Assessment of PKA	Publications	Citations %10%	H-index	%2 Patenty i prawa ochronne
1	AGH University of Science and Technology	100,0	95,26	100,0	100,0	75,00		51,35	100,0	100,0	76,86	95,00	41,92
2	Faculty of Mechanical Engineering and Robotics Warsaw University of Technology												
1	Faculty of Power and Aeronautical Engineering	91,0	100,0	97,29	100,0	100,0	36,45	49,12	100,0	41,04	73,39	95,00	2,85
3	Wroclaw University of Technology	79,5	82,70	65,72	100,0	60,00	41,64	31,60	100,0	44 62	87,49	90.00	5,64
	Faculty of Mechanical Engineering	, ,,,	02,70	03,72	100,0	00,00	71,04	31,00	100,0	11,02	67,17	70,00	3,01
4	Warsaw University of Technology Faculty of Automotive and Construction Machinery Engineering	77,5	100,0	97,29	66,67	50,00	29,43	48,37	0,00	41,04	73,39	95,00	1,07
5	Warsaw University of Technology	76,9	100.0	97,29	44 47	20,00	12,10	71,18	0.00	41.04	72 20	00.00	0.00
	Faculty of Civil Engineering, Mechanics and Petrochemistry (Plock)	70,9	100,0	97,29	66,67	20,00	12,10	/1,10	0,00	41,04	73,39	95,00	0,00
6	Warsaw University of Technology Faculty of Production Engineering	76,3	100,0	97,29	66,67	50,00	11,77	40,74	0,00	41,04	73,39	95,00	1,92
7	Silesian University of Technology in Gliwice				1000	75.00				10.10			
	Faculty of Energy and Environmental Engineering	74,8	39,81	69,53	100,0	75,00	60,16	77,19	100,0	40,40	81,53	100,0	6,63
8	Silesian University of Technology in Gliwice	72,7	39,81	69,53	100,0	85,00	28,01	61,19	100,0	40,40	81,53	100,0	4,57
9	Faculty of Mechanical Engineering Wroclaw University of Technology	No. of Contract of		- 10		10	(10)	7.		- 00			10000000
,	Faculty of Mechanical and Power Engineering	68,9	82,70	65,72	66,67	35,00	42,79	39,91	0,00	44,62	87,49	90,00	7,28
10	Poznan University of Technology	60,7	44,79	41,01	100,0	50,00	100,0	53,70	0,00	35,03	81,41	80,00	4,29
	Faculty of Machines and Transport	00,7	11,77	11,01	100,0	30,00	100,0	33,70	0,00	33,03	01,41	00,00	1,27
11	Poznan University of Technology Faculty of Mechanical Engineering and Management	60,3	44,79	41,01	100,0	75,00	41,40	33,31	0,00	35,03	81,41	80,00	27,82
12	Technical University of Lodz	F2.0	17,54	35,41	100.0	75,00	20.42	79,13	0.00	40,32	(7 (7	70.00	0.70
	Faculty of Mechanical Engineering	53,0	17,54	33,41	100,0	75,00	28,42	79,13	0,00	40,32	07,07	70,00	9,78
13	Lublin University of Technology	51,2	7,35	13,65	100,0	45,00	48,67	37,24	0,00	31,82	92,02	65,00	100,0
14	Mechanical Engineering Faculty Czestochowa University of Technology												
	Faculty of Mechanical Engineering and Computer Science	48,8	4,98	34,65	66,67	75,00	36,27	100,0	0,00	41,81	82,05	65,00	1,82
15	Military University of Technology in Warsaw	48,4	12,32	18,62	100,0	50,00	29,22	46,50	0,00	67,19	75,00	65,00	11,73
16	Faculty of Mechanical Engineering Gdansk University of Technology							27/2	300	- 1			
10	Faculty of Mechanical Engineering	47,6	31,52	27,73	66,67	35,00	13,74	32,82	0,00	71,86	63,72	65,00	15,93
17	Opole University of Technology	45,5	4,27	23,92	100,0	35,00	31,04	58,09	0,00	45.62	85,52	65.00	2.89
	Faculty of Mechanical Engineering	43,3	1547	23,72	100,0	33,00	31,04	30,07	0,00	13,02	05,52	05,00	2,07
18	Bialystok University of Technology Faculty of Mechanical Engineering	43,4	1,90	7,22	100,0	60,00	30,91	37,85	0,00	65,33	75,62	60,00	11,86
	raculty of rechanical Engineering												

Deans of best engineering faculties



Ranking

Gala Rankingu Kierunków Studiów Perspektywy 2016. Dziekani najlepszych wydziałów technicznych w Polsce 2016 (od lewej): prof. Edward Chlebus, Wydział Mechaniczny, PWr. (inżynieria produkcji): prof. Jerzy Robert Sobiecki, Wydział Inżynierii Materiałowej, PW (inżynieria materiałowa); prof. Janusz Kotowicz, Wydział Inżynierii Środowiska i Energetyki, PŚl. (inżynieria środowiska); prof. Zbigniew Brzózka, Wydział Chemiczny, PW (inżynieria i technologia chemiczna); prof. Krzysztof Zaręba, Wydział Elektroniki i Technik Informacyjnych, PW (elektronika oraz kierunki IT); prof. Jerzy Banaszek, Wydział Mechaniczny, Energetyki i Lotnictwa, PW (energetyka); prof. Waldemar Rebizant, Wydział Elektryczny, PWr. (elektrotechnika); prof. Antoni Kalukiewicz, Wydział Inżynierii Mechanicznej i Robotyki, AGH (automatyka, robotyka i mechatronika oraz mechanika i budowa maszyn); prof. Jerzy Hoła, Wydział Budownictwa Lądowego i Wodnego, PWr. (budownictwo); prof. Stefan Wrona, Wydział Architektury PW (architektura i urbanistyka).

Ranking watchdog



IREG sponsored project on "New Approaches to Design and Collection of Data for Subject and Discipline Rankings: Engineering and Technology"

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IREG Observatory mission

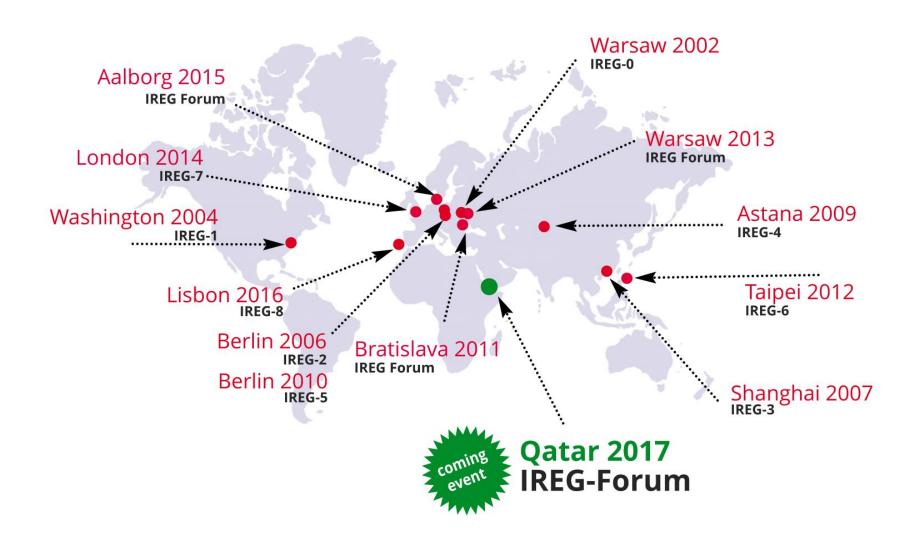
IREG Observatory on Academic Ranking and Excellence is an association of ranking organizations and universities.

Its mission is the improvement of the quality of international and national ranking of higher education institutions

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IREG Conferences





What do we need?

Future rankings in the area of high tech will take into consideration opinion of employers, professional associations and accrediting organization.

New indicators: "value for money", "value to society", "knowledge transfer", "mobility between university and industry", "quality of te graduates", "employability of graduates," and others

Universities need rankings to build school's brand and reputation.





Invitation

End of 2017 - **IREG Engineering Working Group** will present recommendation for a new set of indicators in rankings for engineering.

Seminars organized in cooperation with universities, high tech companies, European employers organizations and bodies responsible for accreditation.

If interested, **feel invited to join**.

Perspektywy

Thank You!

Waldemar Siwinski

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