

ETH Zurich Annual Report 2004

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Construction and Geomatics

Architecture
Civil, Environmental and Geomatics
Engineering

Engineering Sciences

Management, Technology and Economics
Information Technology and Electrical
Engineering
Computer Science
Materials Science
Mechanical and Process Engineering

Natural Sciences

Mathematics
Physics
Chemistry and Applied Biosciences
Biology

System-Oriented Sciences

Earth Sciences
Environmental Sciences
Agricultural and Food Sciences

Humanities, Social and Political Sciences

Humanities, Social and Political Sciences



DEVELOPMENT OF ETH ZURICH

	1995	2000	2001	2002	2003	2004
Graduations	1 915	1 890	1 884	1 849	1 769	1 875
of which diplomas	1 357	1 191	1 265	1 190	1 163	1 167
of which doctorates	422	523	488	483	429	471
of which postgraduate diplomas	136	176	131	176	177	237
Students	11 627	11 596	11 927	12 390	12 626	12 505
of whom undergraduates ¹	9 234	9 030	9 311	9 570	7 701	5 816
of whom Bachelor/Master students ²					2 003	3 703
of whom doctoral candidates	2 120	2 262	2 300	2 455	2 529	2 614
of whom postgraduates	273	304	316	365	393	372
Professorships (full-time equivalents)	330	333	343	340	356	358
of which assistant professorships	39	49	57	59	64	57
Number of students per professorship	35.3	34.8	34.7	36.5	35.4	34.9
Personnel						
Staff	7 230	7 338	7 705	7 980	8 068	8 140
Full-time equivalents	5 319	5 344	5 512	5 757	5 891	5 984
of which professorships for teaching and research	330	333	343	340	356	358
of which scientific staff for teaching and research	3 356	3 239	3 412	3 587	3 579	3 606
of which other staff for teaching and research	773	835	809	864	997	1 033
Finances						
Expenditure excl. investment in buildings (in CHF million, real 2004)	970.0	924.4	958.4	983.4	965.2	990.1
of which budget resources (in CHF mill., real 2004)	830.7	792.7	824.8	842.0	810.8	830.1
of which third party res. (in CHF mill., real 2004)	139.3	131.7	133.6	141.4	154.4	160.0
Investment in buildings (in CHF million, real 2004)	85.5	167.3	134.0	135.2	163.1	129.1

¹ Undergraduates without Bachelor/Master students.

² Students will be able to embark on master level studies from the 2005/2006 winter semester.

PARAMETERS

Percentage women

	1995	2000	2003	2004
Staff	22.8	26.4	27.6	28.5
- Professorships	3.0	7.3	7.0	6.9
- Scientific staff	15.7	20.6	22.5	23.3
- Other staff	38.5	38.3	38.0	39.0
Students	22.5	26.3	29.1	29.2
- Total foreign students	24.2	28.8	30.1	30.1
- Undergraduates	23.2	26.8	29.4	29.9
- Doctoral candidates	19.3	23.6	26.5	26.1
- Postgraduates	25.6	30.6	36.6	35.2

PARAMETERS

Percentage foreigners

	1995	2000	2003	2004
Staff	30.7	34.6	39.9	40.6
- Professorships	41.0	50.7	58.2	57.7
- Scientific staff	37.2	45.2	53.1	54.6
- Other staff	17.8	15.7	17.9	18.3
Students	19.2	19.1	20.0	21.3
- Undergraduates	13.5	11.5	11.1	12.2
- Doctoral candidates	42.7	48.3	51.7	52.2
- Postgraduates	27.5	28.0	35.9	37.1

OVERALL VIEW OF EXPENDITURE

(in CHF 1000 = TCHF)

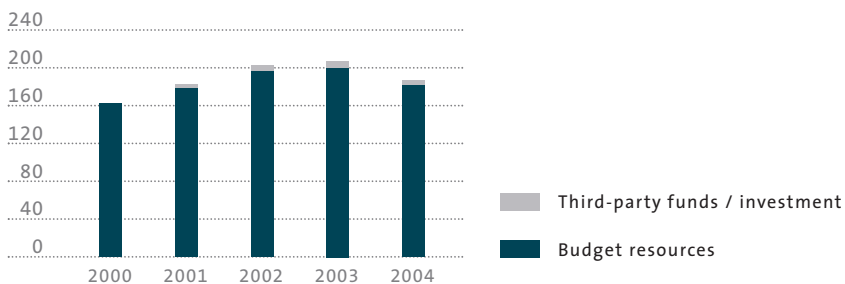
	2002 ²	2003 ²	2004	Change 2004 to 2003 in %	
Budget resources¹	960 269	966 391	959 221	- 7 170	- 0.74
Overall expenditure (excl. investments)	763 759	766 343	778 058	11 715	1.53
Investments	196 510	200 048	181 163	- 18 885	- 9.44
Third-party funds	139 532	153 161	159 994	6 833	4.46
Overall expenditure (excl. investments)	133 091	146 516	154 226	7 710	5.26
Investments	6 441	6 645	5 768	- 877	- 13.20
Total expenditure	1 099 801	1 119 552	1 119 215	- 337	- 0.03
Overall expenditure (excl. investments)	896 850	912 859	932 285	19 426	2.13
Investments	202 951	206 693	186 930	- 19 763	- 9.56

¹ Budget resources = Swiss Confederation funding + fees.

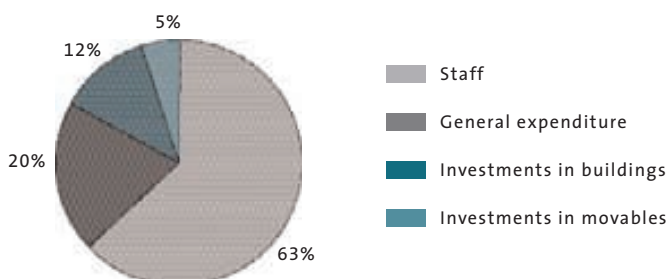
² Retirement pension payments for professors subject to former regulations are now (as of 2004) paid directly by Publica (2003: CHF 38.7m).

DEVELOPMENT OF INVESTMENTS (2000–2004)

(in CHF m)



BREAKDOWN OF EXPENDITURE 2004



THIRD-PARTY RESOURCES 2004



BREAKDOWN OF EXPENDITURE BY DISCIPLINE

(in CHF 1000 and on basis of funding/budget responsibility)

	Actual 2004 Total	Source of funding / credit sources (financing)				Use of funds by type of expenditure		
		Core remit	Add. finance, Executive Board	Total budget funding	Third- party funding	Personnel	Materials	Investment buildings/ facilities
CONSTRUCTION AND GEOMATICS								
Architecture	36 865	29 817	2 824	32 641	4 224	32 667	4 061	137
Civil, Environmental and Geomatics Eng.	53 988	38 510	4 691	43 201	10 787	46 434	6 204	1 350
Total	90 853	68 327	7 515	75 842	15 011	79 101	10 265	1 487
ENGINEERING SCIENCES								
Mechanical Engineering	51 690	34 084	6 660	40 745	10 945	43 239	5 290	3 161
Information Technology and Electrical Eng.	57 239	33 860	4 742	38 602	18 637	50 442	4 207	2 590
Computer Science	30 520	22 732	1 972	24 704	5 816	28 741	1 600	179
Materials Science	23 828	16 673	2 487	19 160	4 668	18 747	3 216	1 865
Management, Technology and Economics	16 337	8 169	656	8 825	7 512	13 671	2 492	174
Total	179 614	115 519	16 517	132 036	47 578	154 839	16 805	7 969
SCIENCES AND MATHEMATICS								
Mathematics	25 972	21 211	1 598	22 808	3 164	25 063	856	53
Physics	64 302	40 969	12 143	53 112	11 190	51 689	9 432	3 181
Chemistry and Applied Biosciences	74 464	51 399	9 782	61 181	13 284	57 995	11 375	5 095
Biology	59 278	31 680	10 411	42 090	17 188	44 027	9 147	6 104
Total	224 017	145 258	33 933	179 191	44 825	178 774	30 810	14 433
SYSTEM-ORIENTED SCIENCES								
Earth Sciences	32 131	19 279	5 025	24 304	7 828	27 165	3 138	1 828
Environmental Sciences	45 217	33 550	2 724	36 275	8 943	39 811	4 854	553
Agriculture and Food Sciences	41 923	30 746	3 292	34 038	7 885	36 143	4 270	1 510
Total	119 271	83 575	11 041	94 616	24 655	103 119	12 262	3 890
OTHER SCIENTIFIC AND INTERDISC. EXPENDITURE								
Humanities, Social and Political Sciences	31 130	15 766	2 236	18 002	13 128	26 375	4 477	279
Total	31 130	15 766	2 236	18 002	13 128	26 375	4 477	279
Total Departements	644 885	428 446	71 242	499 688	145 198	542 208	74 620	28 058
Projects and centres	12 662	-	6 703	6 703	5 959	4 254	8 305	104
Total teaching and research	657 548	428 446	77 945	506 391	151 156	546 461	82 925	28 162
Executive Board and Central Authorities	332 581	221 272	102 472	323 744	8 837	159 150	143 748	29 683
Investment in buildings	129 086	129 086	-	129 086	-	-	-	129 086
Total Executive Board, Central Authorities and Building Investment	461 667	350 358	102 472	452 830	8 837	159 150	143 748	158 769
Grand total, expenditure	1 119 215	778 803	180 417	959 221	159 994	705 612	226 673	186 930

INCOME STATEMENT 2004

(in CHF m)

	2003	2004	Difference	Difference in %
INCOME				
Funding	1 099.0	1 089.9	- 9.1	- 0.8
Swiss Confederation funding	946.3	942.7		
Third-party resources	152.7	147.2		
Miscellaneous revenue	45.6	50.9	5.3	11.6
Proceeds from sales	6.5	6.4		
Fees and revenue from services	14.3	16.8		
Other revenue (incl. school fees)	20.4	22.8		
Financial income	4.4	4.9		
Extraordinary and outside revenue	1.5	6.8	5.3	353.3
Extraordinary revenue (incl. income from securities)	1.5	5.1		
Outside revenue	-	1.7		
Total income	1 146.1	1 147.6	1.5	0.1
EXPENDITURE				
Materials expenditure	36.2	39.0	2.8	7.7
Expenditure on materials	26.9	29.4		
Movables (without capital goods)	9.3	9.6		
Personnel expenditure	720.4	705.6	- 14.8	- 2.1
Wages and salaries	565.4	580.2		
Social security	35.2	34.2		
Staff insurance	46.8	53.9		
Accident and health insurance	2.8	3.4		
Other personnel expenditure ¹	70.2	33.9		
Other general expenditure	179.6	193.7	14.1	7.9
Premises	16.8	17.9		
Maintenance, repairs, leasing	17.9	18.4		
Water, energy, operating material, waste disposal	18.2	18.7		
Administration	8.9	9.3		
IT and telecommunication	42.6	42.9		
Other services and fees	26.0	32.6		
Other general expenditure	14.4	11.4		
Financial requirements	0.1	0.0		
Depreciation	34.7	42.5		
Extraordinary and outside expenditure	209.3	187.6	- 21.7	- 10.4
Extraordinary expenditure (incl. securities expenses)	4.5	4.0		
Contributions, other transfer expenditure	27.2	16.1		
Outside expenditure	0.0	1.1		
Change in provisions	177.6	166.4		
Total expenditure	1 145.5	1 125.9	- 19.6	- 1.7
Total result	0.6	21.7		
Carry-over Total expenditure in accordance with Income Statement to Total expenses				
Total expenditure (in acc. with Income Statement)	1 145.5	1 125.9		
Expenditure not incurring expenses	- 204.0	- 205.6		
- Depreciation	- 34.7	- 42.5		
+/- Changes in provisions not incurring expenses	- 176.0	- 158.6		
+/- Changes in accruals/deferrals not incurring expenses	15.5	1.7		
- Other expenditure not incurring expenses	- 8.8	- 6.2		
Expense-reducing income	- 4.8	- 11.8		
Expenses not included in expenditure	182.9	210.7		
+ Investments (buildings, movables, IT)	206.7	186.9		
+/- Changes in accumulated liabilities items	- 23.8	23.8		
Total expenses ETH Zurich	1 119.6	1 119.2		

¹ Retirement pension payments for professors subject to former regulations are now (as of 2004) paid directly by Publica (2003: CHF 38.7m).

EXPENDITURE OF THIRD-PARTY RESOURCES

(in CHF thousands)

	2002	2003	2004	Change 2004 to 2003	Breakdown 2004 in %
Origin expenditure of third party resources					
Federal contracts; other public offices	27 930	30 322	29 172	- 1 150	18.2
National organisations (research promotion)	42 646	50 185	55 300	5 115	34.6
International organisations (EU research programmes)	15 258	16 919	15 266	- 1 653	9.6
Endowments, bequests, special fund	8 680	7 364	8 223	859	5.1
Business-oriented research, other third-party funds	45 018	48 371	52 033	3 662	32.5
Total	139 532	153 161	159 994	6 833	100.0

BREAKDOWN OF BUDGET RESOURCES EXPENDITURE

(in CHF thousands)

	2002	2003	2004
Personnel expenditure	596 244	598 912	580 204
Wages and salaries	465 043	466 957	477 623
Social security	32 166	31 372	29 863
Staff insurance	40 736	39 774	47 647
Accident and health insurance	2 592	2 496	2 918
Other personnel expenditure	55 707	58 313	22 153 ¹
Other general expenditure	167 515	167 431	197 854
Material and movables (less than CHF 5,000)	24 549	34 242	23 611
Premises	16 754	13 729	20 079
Maintenance and repairs	15 542	17 151	17 255
Water, energy, operating material	17 759	18 026	18 579
Administration	8 015	7 445	7 963
IT and telecommunication	44 026	39 309	39 795
Other services and fees	14 412	13 258	19 552
Other general expenditure	26 458	24 271	51 020 ²
Investments	196 510	200 048	181 163
Buildings	133 408	161 136	129 086
Movables	37 621	29 602	40 226
IT	25 480	9 310	11 851
Total budget resources	960 269	966 391	959 221

¹ Retirement pension payments for professors subject to former regulations are now (as of 2004) paid directly by Publica (2003: CHF 38.7m).

² Incl. CHF 23.8 million to cover deficits from previous year.

LABOUR FORCE BY SOURCE OF FUNDING

Posts in the departments (full-time equivalents, cut-off date 31 December 2004)

D = Department	2003			2004		
	Own budget funding	Third-party funding	Total	Own budget funding	Third-party funding	Total
CONSTRUCTION AND GEOMATICS						
D-Architecture	271	15	286	278	22	300
D-Civil, Environmental and Geomatics Eng.	320	85	405	333	85	418
Total number of positions	591	100	691	611	107	718
ENGINEERING SCIENCES						
D-Mechanical Engineering	310	82	392	333	84	417
D-Information Technology and Electrical Eng.	317	140	457	300	155	455
D-Computer Science	213	36	249	234	44	278
D-Materials Science	134	34	168	153	28	181
D-Management, Technology and Economics	87	42	129	78	21	99
Total number of positions	1061	334	1395	1098	332	1430
SCIENCES AND MATHEMATICS						
D-Mathematics	198	18	216	184	34	218
D-Physics	329	110	439	327	115	442
D-Chemistry and Applied Biosciences	455	98	553	470	90	560
D-Biology	264	139	403	286	118	404
Total number of positions	1246	365	1611	1267	357	1624
SYSTEM-ORIENTED SCIENCES						
D-Earth Sciences	158	67	225	163	58	221
D-Environmental Sciences	310	62	372	291	63	354
D-Agriculture and Food Sciences	268	78	346	282	63	345
Total number of positions	736	207	943	736	184	920
OTHER SCIENCES						
D-Humanities, Social and Political Sciences	115	92	207	131	97	228
Total number of positions	115	92	207	131	97	228
Total departments	3749	1098	4847	3843	1077	4920
Projects and centres ¹	20	65	85	17	60	77
Total teaching and research	3769	1163	4932	3860	1137	4997
Total executive board staff and central units	929	30	959	944	43	987
of which infrastructure management	856	13	869	857	24	881
of which exec. board staff and other personnel	44	15	59	49	15	64
of which central teaching & research units ²	29	2	31	38	4	42
Total number of positions (full-time equiv.)	4698	1193	5891	4804	1180	5984

¹ Projects and centres include the competence centres, the strategic success positions, and the interdisciplinary projects in teaching and research.

² Central teaching & research units comprise SCSC Manno, the Centro Stefano Franscini and the Collegium Helveticum.

BREAKDOWN OF ESTABLISHMENT

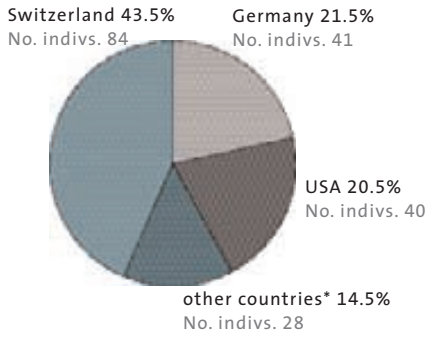
(full-time equivalents, cut-off date 31 December 2004)

	Women	2003 Men	Total	Women	2004 Men	Total
PROFESSORIAL POSTS¹						
Full professorships	12	266	278	14	269	283
Associate professorships	1	13	14	1	17	18
Assistant professorships	12	52	64	10	47	57
Total Professorial posts	25	331	356	25	333	358
of which temporary positions	12	52	64	9	48	57
of which part-time positions	2	17	19	3	18	21
OTHER TEACHING AND RESEARCH (Departments, Institutes, Professorships, Projects and Centres)						
Assistants/scientific staff	749	2580	3329	779	2562	3341
Technical and administrative staff	426	571	997	448	585	1033
Teaching/research assistants	72	178	250	81	184	265
Total Other Teaching and Research	1247	3329	4576	1308	3331	4639
of which temporary positions	917	2592	3509	976	2618	3594
of which part-time positions	808	1193	2001	842	1204	2046
Total Teaching and Research	1272	3660	4932	1333	3664	4997
INFRASTRUCTURE MANAGEMENT						
Rector's office	33	12	45	35	14	49
Teaching centre	7	13	20	8	16	24
Corporate communications	13	13	26	16	12	28
Personnel department	18	16	34	18	17	35
Finance and controlling	20	26	46	21	27	48
Real estate	98	257	355	97	254	351
IT	27	143	170	27	142	169
ETH library	93	80	173	98	79	177
Total Infrastructure Management	309	560	869	320	561	881
of which temporary positions	50	69	119	53	63	116
of which part-time positions	180	98	278	180	99	279
EXECUTIVE BOARD STAFF AND OTHER PERSONNEL	31	28	59	38	26	64
CENTRAL TEACHING & RESEARCH UNITS						
SCSC Manno	3	18	21	4	26	30
Centro Stefano Franscini	3	0	3	2	0	2
Collegium Helveticum	4	3	7	6	4	10
Total Executive Board Staff and Central Units	350	609	959	370	617	987
of which temporary positions	61	88	149	69	86	155
of which part-time positions	201	106	307	209	109	318
Total no. of positions (full-time equivalents)	1622	4269	5891	1703	4281	5984
of which temporary positions	990	2732	3722	1054	2752	3806
of which part-time positions	1011	1316	2327	1054	1331	2385
Trainees and interns	52	84	136	48	95	143

¹ Incl. professors on executive board.

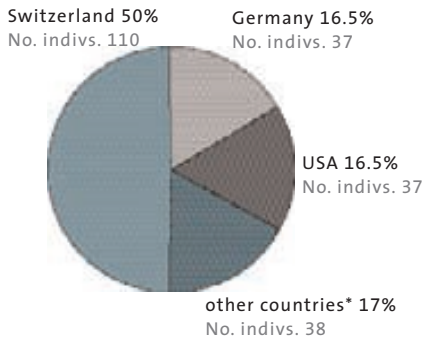
PROFESSORSHIPS 2004: COUNTRY OF RECRUITMENT

Professors taking office from 1998–2004



* Austria	4	Greece	1
Benelux	5	Italy	1
Canada	3	Japan	1
France	4	Scandinavia	2
Great Britain	6	Spain	1

Professors taking office from 1990–1997



* Australia	1	Israel	2
Austria	3	Italy	4
Benelux	6	Principality of	
Canada	3	Liechtenstein	1
France	6	Mexico	1
Great Britain	10	New Zealand	1

SELECTED INDICATORS

	2000	2003	2004
LIBRARY			
Overall holdings	5 570 000	6 400 000	6 460 000
of which individual works and journal volumes	2 430 000	2 500 000	2 510 000
of which in micro form	2 133 700	2 140 000	2 142 000
of which picture documents	420 000	1 200 000	1 200 000
of which maps and plans	n/a	330 000	335 000
of which individual hand-written documents	242 000	245 000	257 000
of which electronic documents	4 600	11 000	15 300
of which subscribed electronic journals	1 500	6 200	7 050
of which current printed journals	5 800	5 500	5 200
Data bases on ETH network	110	170	200
New entries	49 000	50 000	60 000
Users (registered with NEBIS)	167 500	206 000	181 000
Borrowed	445 000	305 000	333 700
Articles from journals (copies sent)	106 000	199 500	223 662
Websites hits	38 084	425 724	476 591

	2000	2003	2004
IT			
Active IP addresses	25 000	55 169	79 588
Wireless access points	0	249	250
Transferred data amount between ETH Zurich and the internet (in terabyte)	55	551	801
Data stored in Netbackup in the data silos (in terabyte)	70	290	630
Data stored by Netbackup per day (in terabyte)	1.1	3.1	4.0

	2000	2003	2004
REAL ESTATE			
ETH Zurich-owned property	217	204	206
Rented property	68	63	60
Managed main used area (MUA, in m ²) ^{1,2}	362 685	378 000	403 100
Managed net floor area (NFA, in m ²)	665 997	715 000	787 800

¹ Main used area (MUA) of property managed by Infrastructure Management, of which occupied by ETH Zurich: 342 403 m² (2000), 360 384 m² (2003) and 380 400 m² (2004).

² Of which undergoing rebuilding or refurbishment and not occupied:
MUA: 3440 m² (2000), 27 217 m² (2003) and 37 167 m² (2004).
NFA: 4470 m² (2000), 41 720 m² (2003) and 54 500 m² (2004).

NEW STUDENTS, ENTRANTS BY CATEGORY

(Undergraduates, postgraduates and doctoral candidates)

Program	Undergraduates					Postgraduate students				Doctoral candidates			
	1995	2000	2003	2004	<i>of whom Bachelor's²</i> 2004	1995	2000	2003	2004	1995	2000	2003	2004
CONSTRUCTION AND GEOMATICS													
Architecture	342	231	325	288	195	36	29	68	51	10	12	16	19
Civil Engineering	99	63	82	81	73	6	0	0	0	11	27	19	19
Environmental Engineering	0	21	60	51	51	0	0	0	0	6	3	2	7
Geomatics and Planning	0	22	29	28	25	15	1	21	3	4	7	13	11
Rural Engineering and Surveying	69	1	0	0	0	0	0	0	0	0	0	0	0
Total	510	338	496	448	344	57	30	89	54	31	49	50	56
ENGINEERING SCIENCES													
Mechanical Engineering	164	206	220	217	211	2	0	0	0	37	43	67	45
Information Technology and Electrical Eng.	155	196	254	205	172	18	11	4	5	59	70	65	69
Computer Science	126	288	181	141	132	0	0	0	0	24	44	37	47
Materials Science	32	37	28	29	27	0	0	0	0	14	25	27	37
Industrial Management and Manufacturing ¹	10	11	14	12	0	59	76	93	96	19	16	12	14
Total	487	738	697	604	542	79	87	97	101	153	198	208	212
SCIENCES AND MATHEMATICS													
Mathematics	52	61	79	92	82	0	0	0	0	16	16	21	13
Computational Science and Engineering ¹	0	1	3	3	3	0	0	0	0	0	1	1	0
Physics	129	118	163	141	124	0	17	3	23	56	52	41	40
Chemistry	68	44	78	77	69	0	0	0	0	64	67	55	63
Chemical Engineering ¹	3	2	2	8	7	0	0	0	0	14	8	8	16
Interdisciplinary Sciences	7	10	32	15	0	0	0	0	0	0	1	0	2
Pharmaceutical Sciences	80	76	100	73	65	0	0	0	0	27	24	19	16
Biology	137	151	138	124	110	0	0	0	0	71	67	82	74
Physical Education and Sports ¹	0	10	188	124	123	0	0	0	0	0	0	1	3
Total	476	473	783	657	583	0	17	3	23	248	236	228	227
SYSTEM-ORIENTED SCIENCES													
Earth Sciences	51	38	43	32	28	0	0	0	0	18	36	24	23
Environmental Sciences	80	118	135	99	98	0	0	0	0	49	53	48	66
Forest Sciences	64	26	0	1	0	0	0	0	0	5	9	5	3
Agricultural Science	62	37	33	27	24	0	0	0	0	20	26	27	31
Food Science	47	47	45	61	58	16	16	17	14	11	6	16	9
Total	304	266	256	220	208	16	16	17	14	103	130	120	132
OTHER SCIENCES AND SPORT													
Humanities, Social and Political Sciences	0	0	0	0	0	33	36	14	41	0	0	0	4
Professional Officer	32	32	36	17	17	0	0	0	0	0	0	0	0
Physical Education and Sports Teacher	124	176	19	6	0	0	0	0	0	0	0	0	0
Total	156	208	55	23	17	33	36	14	41	0	0	0	4
ETH Zurich Total	1933	2023	2287	1952	1694	185	186	220	233	535	613	606	631

¹ The figures in the table relate to new student entrants. The following entrants were also recorded as a result of students changing their course of study:

44 (1995), 51 (2000), 52 (2003) and 32 (2004) to the Industrial Management and Manufacturing diploma course or the Bachelor's program.

0 (1995), 11 (2000), 24 (2003) and 14 (2004) to the Computational Science and Engineering diploma course or the Bachelor's program.

11 (1995), 8 (2000), 5 (2003) and 15 (2004) to the Chemical Engineering diploma course or the Bachelor's program.

0 (1995), 5 (2000), 17 (2003) and 13 (2004) to the Physical Education and Sports diploma course or the Bachelor's program.

² Students will be able to embark on master level studies from the 2005/2006 winter semester.

Detailed statistics on new entrants (students) can be found on the internet under www.ethz.ch/about/bginfos/annualreports/index_EN.

STUDENTS BY CATEGORY

(Undergraduates, postgraduates and doctoral candidates)

Program	Undergraduates					Postgraduate students				Doctoral candidates			
	1995	2000	2003	2004	<i>of whom Bachelor's¹ 2004</i>	1995	2000	2003	2004	1995	2000	2003	2004
CONSTRUCTION AND GEOMATICS													
Architecture	1698	1148	1092	1111	205	57	44	103	90	43	59	81	91
Civil Engineering	542	330	328	344	162	15	0	0	0	60	86	91	80
Environmental Engineering	0	60	165	183	100	0	0	0	0	17	20	28	30
Geomatics and Planning	0	64	104	118	56	15	21	24	24	14	35	46	53
Rural Engineering and Surveying	446	135	1	3	0	0	0	0	0	0	0	0	0
Total	2686	1737	1690	1759	523	87	65	127	114	134	200	246	254
ENGINEERING SCIENCES													
Mechanical Engineering	660	798	916	966	682	6	0	0	0	167	194	209	218
Information Technology and Electrical Eng.	843	747	906	919	223	38	28	18	14	175	224	305	320
Computer Science	575	924	1020	913	350	0	0	0	0	78	113	146	171
Materials Science	141	183	157	156	86	0	0	0	0	56	107	83	101
Industrial Management and Manufacturing	194	229	200	174	0	101	150	192	176	63	60	54	52
Total	2413	2881	3199	3128	1341	145	178	210	190	539	698	797	862
SCIENCES AND MATHEMATICS													
Mathematics	233	296	352	354	144	0	0	0	0	56	70	79	74
Computational Science and Engineering	0	27	45	50	26	0	0	0	0	0	2	2	2
Physics	522	528	587	603	142	18	19	20	25	183	173	189	196
Chemistry	233	173	238	261	183	0	0	0	0	289	239	264	258
Chemical Engineering	61	39	18	29	21	0	0	0	0	43	47	32	42
Interdisciplinary Sciences	27	34	75	67	0	0	0	0	0	0	1	8	8
Pharmaceutical Sciences	319	299	322	309	156	0	0	0	0	87	93	99	85
Biology	544	693	678	627	248	0	0	0	0	294	242	296	305
Physical Education and Sports	0	33	390	440	377	0	0	0	0	0	0	1	6
Total	1939	2122	2705	2740	1297	18	19	20	25	952	867	970	976
SYSTEM-ORIENTED SCIENCES													
Earth Sciences	210	223	225	207	78	0	0	0	0	120	124	112	111
Environmental Sciences	588	516	666	660	230	0	0	0	0	188	185	217	227
Forest Sciences	279	225	136	112	0	0	0	0	0	32	23	32	30
Agricultural Science	324	235	201	179	58	0	0	0	0	113	121	108	105
Food Science	211	274	243	243	105	16	18	24	19	42	44	47	44
Total	1612	1473	1471	1401	471	16	18	24	19	495	497	516	517
OTHER SCIENCES AND SPORT													
Humanities, Social and Political Sciences	0	0	0	0	0	7	24	12	24	0	0	0	5
Professional Officer	105	90	120	101	71	0	0	0	0	0	0	0	0
Physical Education and Sports Teacher	479	727	519	390	0	0	0	0	0	0	0	0	0
Total	584	817	639	491	71	7	24	12	24	0	0	0	5
ETH Zurich Total	9234	9030	9704	9519	3703	273	304	393	372	2120	2262	2529	2614

¹ Students will be able to embark on master level studies from the 2005/2006 winter semester.

Detailed statistics on new entrants (students) can be found on the internet under www.ethz.ch/about/bginfos/annualreports/index_EN.

DIPLOMA STUDENTS¹ IN WINTER SEMESTER 2004/2005 BY ORIGIN

Department	ARCH	BAUG	MAVT	ITET	INFK	MATL	MTEC	MATH	PHYS	CHAB	BIOL ²	TuSport	ERDW	UWIS	AGRL	GESS	Total
Swiss diploma students	884	602	807	800	798	142	156	346	486	544	985	384	198	733	392	101	8358
Foreign diploma students with residence permit C	49	21	35	34	50	1	7	22	30	42	41	5	1	11	7	0	356
Foreign diploma students without resid. permit C	178	25	124	85	65	13	11	36	87	80	41	1	8	28	23	0	805
Total	1111	648	966	919	913	156	174	404	603	666	1067	390	207	772	422	101	9519
of which women	479	162	66	55	104	49	24	101	76	365	541	196	65	326	232	3	2844

¹ Diploma students incl. Bachelor students.

² Biology Dep. excl. sports students.

Detailed statistics on the origins of students can be found on the internet under www.ethz.ch/about/bginfos/annualreports/index_EN.

EXCHANGE SERVICE

	2002/03 Number	2003/04 Number
SWISS MOBILITY PROGRAM		
ETH Zurich diploma students at host inst. of higher education	34	30
External students at ETH Zurich	49	33
ERASMUS EUROPEAN MOBILITY SCHEME		
ETH Zurich diploma students at host inst. of higher education	120	134
External students at ETH Zurich	180	164
OTHER EXCHANGE PROGRAMS & AGREEMENTS		
Advanced diploma students and graduates of ETH Zurich at foreign institutions of higher education	31	39
Advanced diploma students and graduates of foreign institutions of higher education at ETH Zurich		
– Other exchange programs	47	52
– Funds and foundations	13	3
Sabbaticals (1 to 3 months)	3	23
SWISS FEDERAL GOVERNMENT SCHOLARSHIPS		
Swiss Federal Government Scholarship students	24	21
Doctoral candidates & postgraduates	4	2
Guest students	20	19
Recipients from developing countries	14	10
Recipients from other countries	10	11
STUDENT EXCHANGE, PRACTICAL EXPERIENCE IN FOREIGN COUNTRIES (IAESTE)		
Participation countries	62	60
Students from Switzerland in foreign countries	189	154
number of such students from ETH Zurich	82	61
Swiss institutions of higher education participating in exchange	22	23
Swiss companies participating in exchange	94	93
Total no. of foreign students received in Switzerland	207	236

DIPLOMAS ETH ZURICH

Program	1995	2000	2003	2004		Total
	Total	Total	Total	Men	Women	
CONSTRUCTION AND GEOMATICS						
Architecture	223	207	130	88	59	147
Civil Engineering	96	58	55	22	2	24
Environmental Engineering	0	21	9	10	1	11
Geomatics and Planning	0	0	24	7	3	10
Rural Engineering and Surveying	89	36	17	0	0	0
Total	408	322	235	127	65	192
ENGINEERING SCIENCES						
Mechanical Engineering	105	92	109	96	6	102
Information Technology and Electrical Eng.*	140	93	118	77	3	80
Computer Science*	109	52	115	117	6	123
Materials Science	24	21	30	13	6	19
Industrial Management and Manufacturing	41	63	37	53	4	57
Total	419	321	409	356	25	381
SCIENCES AND MATHEMATICS						
Mathematics	38	44	32	31	20	51
Computational Science and Engineering	0	6	8	8	1	9
Physics	70	72	57	63	8	71
Chemistry	39	37	26	24	2	26
Chemical Engineering	17	8	8	7	3	10
Interdisciplinary Sciences	3	8	5	6	2	8
Pharmaceutical Sciences**	55	52	52	9	40	49
Biology	76	90	113	71	53	124
Physical Education and Sports	0	0	9	7	10	17
Total	298	317	310	226	139	365
SYSTEM-ORIENTED SCIENCES						
Earth Sciences	23	36	30	34	12	46
Environmental Sciences	97	66	59	41	39	80
Forest Sciences	27	43	30	23	6	29
Agricultural Science	57	52	41	27	6	33
Food Science	28	34	49	17	24	41
Total	232	231	209	142	87	229
ETH Zurich Total	1357	1191	1163	851	316	1167
* of which Master						
Information Technology and Electrical Eng.	0	0	1	65	3	68
Computer Science	0	0	0	30	3	33
** of which state examination	55	51	50	9	39	48

FEDERAL DIPLOMAS

Program	1995	2000	2003	2004		Total
	Total	Total	Total	Men	Women	
Phys. Education and Sports Teacher / Diploma I	2	3	14	2	5	7
Phys. Education and Sports Teacher / Diploma II	71	120	125	77	64	141
Professional Officer	31	27	29	32	0	32
ETH Zurich Total	104	150	168	111	69	180

CERTIFICATES IN COMPLEMENTARY STUDIES

Program	1995	2000	2003	2004		Total
	Total	Total	Total	Men	Women	
Physical Education and Sports Teacher	0	21	27	10	21	31
ETH Zurich Total	0	21	27	10	21	31

The program complements the physical education and sports teacher diploma I and II, lasts at least two years and offers options in three areas: Adapted Physical Activities, Business Administration and Training & Coaching.

DOCTORATES

Program	1995	2000	2003	2004		Total
	Total	Total	Total	Men	Women	
CONSTRUCTION AND GEOMATICS						
Architecture	3	2	3	2	4	6
Civil, Environmental and Geomatics Engineering	21	26	20	29	9	38
Total	24	28	23	31	13	44
ENGINEERING SCIENCES						
Mechanical and Process Engineering	28	29	48	30	4	34
Information Technology and Electrical Eng.	42	69	39	36	3	39
Computer Science	12	20	20	11	2	13
Materials Science	10	23	29	18	2	20
Management, Technology and Economics	17	13	9	10	3	13
Total	109	154	145	105	14	119
SCIENCES AND MATHEMATICS						
Mathematics	11	9	9	14	3	17
Physics	49	48	31	23	5	28
Chemistry and Applied Biosciences*	73	93	73	69	24	93
Biology	65	68	39	30	22	52
Total	198	218	152	136	54	190
SYSTEM-ORIENTED SCIENCES						
Earth Sciences	13	20	28	15	11	26
Environmental Sciences**	42	63	44	34	23	57
Agriculture and Food Sciences	36	40	37	17	18	35
Total	91	123	109	66	52	118
ETH Zurich Total	422	523	429	338	133	471

* of which graduation in Pharmaceutical Sciences: 11 (1995), 23 (2000), 19 (2003) and 21 (2004), of which 15 women.

** of which graduation in Forest Sciences: 6 (1995), 6 (2000), 7 (2003) and 3 (2004), of which 1 woman.

TEACHING & PROFICIENCY CERTIFICATES

Program	1995	2000	2003	2004		Total
	Total	Total	Total	Men	Women	
CONSTRUCTION AND GEOMATICS						
Architecture	0	2	0	1	2	3
Civil Engineering	0	1	0	0	0	0
Total	0	3	0	1	2	3
ENGINEERING SCIENCES						
Mechanical Engineering	2	2	3	1	2	3
Information Technology and Electrical Eng.	1	5	5	1	0	1
Computer Science	3	2	4	6	0	6
Materials Science	0	0	0	0	0	0
Industrial Management and Manufacturing	0	1	0	0	0	0
Total	6	10	12	8	2	10
SCIENCES AND MATHEMATICS						
Mathematics	3	3	9	6	2	8
Physics	2	6	8	6	0	6
Chemistry	2	6	6	3	0	3
Pharmaceutical Sciences	1	0	0	0	1	1
Biology	10	11	8	11	6	17
Physical Education and Sports	0	0	1	0	1	1
Total	18	26	32	26	10	36
SYSTEM-ORIENTED SCIENCES						
Earth Sciences	4	3	3	1	0	1
Environmental Sciences	5	14	11	6	2	8
Forest Sciences	0	1	1	0	0	0
Agricultural Science	24	10	5	3	6	9
Food Science	2	6	2	2	4	6
Total	35	34	22	12	12	24
ETH Zurich Total	59	73	66	47	26	73

This additional course of study may be completed during or after the specialist subject study.

The teaching certificate awarded when the examination is passed is issued to students once they have completed their diploma.

CERTIFICATES OF COMPLETED POSTGRADUATE STUDIES

Program	Postgraduate Study	1995	2000	2003	2004		Total
		Total	Total	Total	Men	Women	
CONSTRUCTION AND GEOMATICS							
Architecture	Architecture	27	36	50	26	20	46
	Landscape Architecture	0	0	0	3	8	11
Civil Engineering	Hydraulic Schemes	0	0	0	21	3	24
	Hydrology	0	0	3	10	4	14
	Water Resources Management and Engineering	0	3	0	0	0	0
Geomatics and Planning	Spatial Planning	17	0	20	1	1	2
Total		44	39	73	61	36	97
ENGINEERING SCIENCES							
Mechanical Engineering	Mechatronic	7	0	0	0	0	0
Information Technology and Electrical Eng.	Information Theory	13	8	7	3	0	3
Industrial Management and Manufacturing	Occupational Health	0	10	12	7	4	11
	Industrial Eng. and Management	37	53	54	42	7	49
	Intellectual Property	0	12	13	3	3	6
	Supply Chain Management	0	0	0	14	0	14
Total		57	83	86	69	14	83
SCIENCES AND MATHEMATICS							
Physics	Medical Physics	0	20	2	14	3	17
Total		0	20	2	14	3	17
SYSTEM-ORIENTED SCIENCES							
Earth Sciences	Earth Sciences	1	0	0	0	0	0
Food Science	Human Nutrition	11	16	11	4	15	19
Total		12	16	11	4	15	19
OTHER SCIENCES AND SPORT							
Humanities, Social and Political Sciences	Developm. and Cooperation (NADEL)	23	18	5	6	15	21
Total		23	18	5	6	15	21
ETH Zurich Total		136	176	177	154	83	237

A postgraduate diploma (NDS) is an organised program of study lasting one year of full-time study or two years if studied on an in-service basis and comprises at least 600 contact hours (lectures, practicals and other supervised activities) together with a dissertation lasting 3–4 months. On successful completion of the program, the title "Dipl. NDS ETHZ in ..." is awarded. Due to the limited availability of work, laboratory and practical training positions, entry to most postgraduate diploma programs is restricted. The number of participants thus cannot be increased at will, despite sufficient demand.

CERTIFICATES OF COMPLETION OF POSTGRADUATE COURSES

Program	Postgraduate Course	1995	2000	2003	2004		Total
		Total	Total	Total	Men	Women	
CONSTRUCTION AND GEOMATICS							
Geomatics and Planning	Space as a factor of decision making	0	9	0	16	13	29
	Spatial Information System	10	15	24	19	6	25
Total		10	24	24	35	19	54
ENGINEERING SCIENCES							
Mechanical Engineering	Risk and Safety	0	23	0	29	8	37
Computer Science	Informatics (Computer Science)	0	12	16	39	7	46
Total		0	35	16	68	15	83
SCIENCES AND MATHEMATICS							
Mathematics	Applied Statistics	17	4	34	28	16	44
Pharmaceutical Sciences	Radiopharmacy Radiopharmaceut.	0	18	0	9	3	12
	Chemistry	0	18	0	9	3	12
Total		17	22	34	37	19	56
SYSTEM-ORIENTED SCIENCES							
Earth Sciences	Applied Earth Science	4	5	7	43	26	69
Total		4	5	7	43	26	69
OTHER SCIENCES							
Humanities, Social and Political Sciences	Developm. and Cooperation (NADEL)	0	15	11	35	22	57
Interdisciplinary	E-Learning	0	0	3	30	11	41
Total		0	15	14	65	33	98
ETH Zurich Total		31	101	95	248	112	360

A postgraduate course (NDK) is an organised training program at an academic level provided on an in-service basis, generally in modular form, and comprises at least 200 hours' study and, at most, a relatively short written dissertation. Due to the limited availability of work, laboratory and practical training positions, entry to most postgraduate courses is restricted. The number of participants thus cannot be increased at will, despite sufficient demand.

INTERNATIONAL RESEARCH COLLABORATION

SIXTH EU FRAMEWORK PROGRAM

	Number of running projects in 2004	Number of granted projects in 2004	Committed contributions OFES in kCHF*	Committed contributions EU in kEUR
PARTICIPATION IN THE SIXTH FRAMEWORK PROGRAM OF EU 2002–2006				
Life sciences, genomics and biotechnology for health (LIFE)	9	13	2 084	714
Information society technologies (IST)	28	34	4 649	3 641
Nanotechnologies and nanosciences, knowledge-based multifunctional materials and new production processes and devices (NanoMatPro)	5	9	545	1 402
Aeronautics & Space	1	1		245
Food quality and safety (Food)	1	2	129	
Sustainable development, global change and ecosystems (EESD)	11	14	2 396	230
Citizens and governance in a knowledge-based society (Governance)	1	2	352	
Policy-oriented research (Policy)				
New and Emerging Science & Technologies (NEST)	1	1		546
SME-related measures				
Specific measures in support of international cooperation (INCO)				
Research and innovation (Innovation)				
Human resources and mobility (Mobility)	8	15	576	1 411
Research infrastructures (Infrastructures)				
Science & Society				
EURATOM	1	1	91	
Total sixth Framework Program	66	92	10 822	8 189

* Committed contributions from the Federal Office for Education and Science for the first 28 months.

PROJECTS EVALUATED BY THE ETH ZURICH RESEARCH COMMISSION IN 2004

	No. of applications submitted	of which (partially) approved	Amount approved in CHF thousands
ETH research projects	136	79	16 031
Swiss National Science Foundation research projects	229	Assessment transferred to SNSF*	
Swiss National Science Foundation Scholarships Young researchers	42	35	1 416
Swiss National Science Foundation Scholarships Advanced researchers	13	10	1 139

*Swiss National Science Foundation.

PROJECTS EVALUATED BY THE ETH ZURICH ETHICS COMMISSION IN 2004

Submitted	29
Approved without/after revision	27

COLLABORATION WITH PRIVATE SECTOR

	2000	2001	2002	2003	2004
Spin-off	17	10	10	10	12
Patents	123	86	84	80	85
Contracting covering licence and technology transfer	28	29	10	22	60

Donations

The following companies, foundations and private individuals provided financial support for ETH Zurich in 2004. Many thanks to all of them!

Boehringer Ingelheim Fonds

Bonizzi-Theler Stiftung

Cantons of Geneva, Neuchâtel, Vaud, Ticino, Basel-Landschaft, Basel-Stadt, Bern, Glarus, Luzern, Nidwalden, Schaffhausen, St. Gallen, Thurgau, Uri and Zurich

Credit Suisse

Dr. Frank Filser

Dr. h. c. mult. Branco Weiss

Dr. h.c. Emil Dreyfus-Stiftung

Du Pont

economiesuisse

Eidgenössische Sportkommission

Eiselen-Stiftung Ulm

Eleonoren Stiftung

Emil Barell Stiftung

Emil Friedrich Rimensberger-Fonds

Ernst und Jacqueline Weil Stiftung

Familie Hatt

Fredy Hiestand

Freundes- und Fördererkreis des Archivs für Zeitgeschichte

Gebert-Ruef-Stiftung

Georges und Jenny Bloch Stiftung

Gottfried und Julia Bangerter-Rhyner Stiftung

Helbling Technik AG

Intel Corporation

Israelitische Cultusgemeinde Zürich

Jaeckle-Treadwell-Stiftung

K. und O. Müller

Karl-Schmid-Stiftung

Kirschner Loeb Stiftung

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Legat Dr. Warda Bleser-Bircher

Legat Heinrich Schalcher

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Medicor Foundation

Microsoft Research Ltd., Cambrigde (UK)

Nestlé

Nokia Research Center Helsinki

Novartis

Olga Mayenfisch Stiftung

Oncosuisse

Philips Medical Systems

Prof. Christof Koch (Caltech)

Prof. em. Hans-Jürgen Lang

Prof. em. Ingo Potrykus

René und Susanne Braginsky Stiftung

Roche Research Foundation

Rudolf-Chaudoire-Stiftung

Saly Mayer Memorial Stiftung, Zürich

Schnitter-Fonds

Schweizerische Arbeitsgemeinschaft für Demokratie

Schweizerischer Israelitischer Gemeindebund

Schweizerische Stiftung für Kakao- und Schokoladewirtschaft

Schweizerischer Wasserwirtschaftsverband

Schwyzer Stiftung

Simon und Hildegard Rothschild-Stiftung

Stiftung "Diakoniewerk Neumünster"

Stiftung Dialogik, Mary und Hermann Levin Goldschmidt-Bollag

Stiftung gegen Rassismus und Antisemitismus

Stiftung Hasler Werke

Stiftung Jüdische Zeitgeschichte an der ETH Zürich zur Sicherung und Erschliessung historischer Quellen in der Schweiz

Sun Microsystems

Swisscom

Switch

Syngenta

Synos Stiftung

The Cogito Foundation

The Micronutrient Initiative Grant

Thomas Schmidheiny

UBS Optimus Foundation

Velux Stiftung Zürich

Victor H. and Elisabeth Umbricht-Stiftung

Von Tobel Stiftung

Walter Haefner Stiftung

Willi and Mimi Guggenheim Stiftung

ETH Zurich has done its utmost to ensure that the list is complete and correct. Errors, however, can never fully be excluded.

Awards and Honours

Prof. Markus Aebi, D-BIOL, Körber-Preis für die Europäische Wissenschaft 2004.

Prof. Nikolaus Amrhein, D-BIOL, Honorary Doctor of the University of Neuchâtel.

Prof. Marc Angélie, D-ARCH, Award of the American Institute of Architects, Los Angeles Chapter ("Next LA").

Prof. em. Duilio Arigoni, D-CHAB, Member of the European Academy of Sciences.

Prof. Matthias Baltisberger, D-UWIS, MEDIDA-PRIX-Förderpreis.

Prof. Nenad Ban, D-BIOL, Friedrich-Miescher-Preis, Swiss Society for Biochemistry.

Prof. David Basin, D-INFK, IBM Faculty Award (IBM, Thomas J. Watson Research Center).

Prof. Bertram Batlogg, D-PHYS, Wissenschaftspreis 2004 des Landes Vorarlberg.

Dr. Peter Bauer, D-BAUG, Otto-Jaag-Gewässerschutz-Preis 2004.

Prof. em. Jean-François Bergier, D-GESS, Médaille de l'Université de Genève; Officier de l'Ordre national du Mérite.

Prof. Thomas Bernauer, D-GESS, Wahl in Forschungsrat der Abteilung IV durch Ausschuss des SNF-Stiftungsrates; Nomination "Best paper of the Political Economy section of the American Political Science Association 2004".

Francesco Borrelli, D-ITET, Innovationspreis ITG 2004 der Informationstechnischen Gesellschaft ITG von Electrosuisse, for dissertation.

Prof. Nina Buchmann, D-AGRL, Beirätin im Wissenschaftlichen Beirat der deutschen Bundesregierung Globale Umweltveränderungen.

Dr. Hans-Peter Burgener, D-ITET, Asea-Brown-Boveri-Forschungspreis 2004.

Dr. Samarjit Chakraborty, D-ITET, Outstanding Doctoral Dissertation Award of the European Design and Automation Association's in the category "New Directions in Embedded System Design Automation".

Prof. em. Corneliu Constantinescu, D-MATH, Steaua Românică Medal.

Prof. François Diederich, D-CHAB, Vorsitz des Kuratoriums des Fachmagazins "Angewandte Chemie".

Prof. Silvia Dorn, D-AGRL, Fellow of the Entomological Society of America; Poster award, Swiss Society for phytiatry; Poster award in honour of Prof. emer. Robert van den Bosch, Zurich-Basel Plant Science Center and Swiss Society for Phytiatry.

Silvio Dragone, D-ITET, First Plateau Invention Achievement Award in appreciation and recognition of creative contributions to IBM progress.

Prof. Jürg Dual, D-MAVT, Fellow of the American Society of Mechanical Engineers.

Prof. Jack Dunitz, D-CHAB, Honorary Member of the Swiss Chemical Society.

Prof. Dietmar Eberle, D-ARCH, Honorary Member of the American Institute of Architects, Chicago; Deutscher Städtebaupreis für Projekt Falkenried, Hamburg.

Fabian Eckermann, D-MATL, Aluminum-Award 2004 (Swiss Aluminum Association), for diploma thesis.

Prof. em. Beno Eckmann, D-MATH, Honorary Doctor of the Ben-Gurion University (Israel).

Prof. Paul Embrechts, D-MATH, "Centennial Professor of Finance 2002–2004" at the London School of Economics and Political Science; Nomura Lecture at the University of Oxford; Otto-Hirschfeld-Vorlesung an der Humboldt Universität Berlin; INA Prize 2004 for Mathematics and Actuarial Practice of the Accademia Nazionale dei Lincei in Rome.

Prof. em. Albert Eschenmoser, D-CHAB, Sir Derek Barton Gold Medal of the Royal Society Chemistry; Member of the European Academy of Sciences.

Prof. Dmitry Feichtner-Kozlov, D-INFK, Göran Gustafsson Prize, Schweden.

Rolf Figi, D-AGRL, H. Wilhelm Schaumann Preis 2003, for diploma thesis (presented 2004).

Dr. Frank Filser, D-MATL, International Ceramics Prize 2004 (World Academy of Ceramics).

Nicola Forrer, D-CHAB, Awarded by the Swiss Society for Chemical Engineering.

Prof. em. Bruno Fritsch, D-GESS, Full Member of the Accademia Scientiarum et Artium Europaea.

Dr. Andreas Fuhrer, D-PHYS, IBM Prize of the Swiss Physical Society, for dissertation.

Tobias Fuhrer, D-BIOL, Prix Jeunes Chercheurs of the Swiss Academy of Sciences.

Prof. Albert Furrer, D-PHYS, Honorary Member of the Swiss Neutron Scattering Society.

Prof. Martin Fussenegger, D-BIOL, De-Vigier-Preis für Jungunternehmer; Gaden Award 2004, USA.

Dr. Karl Gademann, D-CHAB, Latsis-Preis.

Daan Geerke, D-CHAB, Dr.-Saal-van-Zwanenberg-Organon-Juniorpreis.

Gabriela Glanzmann, D-ITET, Automatisierungs-Förderpreis 2004.

Ferran Grau Valldosera, D-ARCH, FAD Award for Design at the exhibition "Canvi a Llevant" in Barcelona.

Prof. Alan G. Green, D-ERDW, Guest of Honour Professor of the China University of Geosciences in Wuhan; Mueller Medal of the European Geosciences Union 2005.

Prof. Wilhelm Gruissem, D-BIOL, Jubiläums-Förderpreis der Eiselen-Stiftung, Ulm.

Dr. Hainan Gu, D-CHAB, Poster award, Swiss Society for Phytiatry; Poster award in honour of Prof. emer. Robert van den Bosch, Zurich-Basle Plant Science Center and Swiss Society for Phytiatry.

Prof. Detlef Günther, D-CHAB, Poster award, Swiss Society for Phytiatry; Poster award in honour of Prof. emer. Robert van den Bosch, Zurich-Basle Plant Science Center and Swiss Society for Phytiatry.

Prof. Jürg Gutknecht, D-INFK, Honorary Visiting Professorship award, London Metropolitan University.

Albrecht Haake, D-MAVT, RWB Stephens Student Prize at the UI'03: Ultrasonics International.

Prof. Michael Hagner, D-GESS, Mitglied im Beirat des Internationalen Forschungszentrums Kulturwissenschaften (IFK) Wien.

Mark Alexander Hall, D-ITET, "2004 Best Dissertation Award for Operations Research in Telecommunications" of the INFORMS Technical Section in Telecommunications and Dissertationspreis 2004 of the Gesellschaft für Operations Research.

Ingmar Hammerström, D-ITET, Best Paper Award at the IEEE Vehicular Technology Conference.

Dr. Andreas Hartmann, D-BAUG, Baubetrieb-Förderungspreis 2004.

Valentin Heller, D-BAUG, Heinrich-Hatt-Bucher-Preis 2004.

Prof. Hans Hengartner, D-BIOL, Member of the European Molecular Biology Organisation (EMBO) and the Akademie der Naturforscher Leopoldina.

Prof. em. Klaus Hepp, D-PHYS, Max-Planck-Medaille 2004 of the German Physical Society.

Prof. Gerard Hertig, D-GESS, Research Associate, European Corporate Governance Institute; Member European Shadow Financial Regulatory Committee.

Dr. Michael Hippler, D-CHAB, Nernst-Haber-Bodenstein-Preis der Deutschen Bunsen-Gesellschaft für Physikalische Chemie.

Dr. Gertrude Hirsch Hadorn, D-UWIS, Mitglied der Interdisziplinären Arbeitsgruppe "Not- und Hilfsbüchlein für Optionen einer zukunftsorientierten Nutzung ländlicher Räume", Berlin Brandenburgische Akademie der Wissenschaften BBAW; Mitglied des Strategiebeirates Sozialökologische Forschung, deutsches Bundesministerium für Bildung und Forschung; Member of the Advisory board proVison: Vorsorge für Natur und Gesellschaft, Österreichisches Bundesministerium für Bildung, Wissenschaft und Kultur.

Prof. Juray Hromkovic, D-INFK, Award of the Slovak Literature Foundation for the best scientific publication (Natural and Engineering Sciences).

Prof. Dieter Imboden, D-UWIS, neuer Präsident des Nationalen Forschungsrates (ab 1.1.2005).

Dominic Joray, D-BAUG, Heinrich-Hatt-Bucher-Preis 2004.

Sophie Karrenberg, D-UWIS, "Wilhelm-Pfeffer-Preis" of the German Botanical Society, for dissertation.

Prof. Ursula Keller, D-PHYS, erster Preis im Wettbewerb um den Internationalen Berthold Leibinger Innovationspreis 2004 – Internationaler Laserpreis in Fertigung, Medizin und Biotechnologie.

Dr. Felix Klaedtke, D-INFK, Kleene Award for best student contribution (IEEE Conference on Logics in Computer Science 2004) and Wolfgang-Gentner Nachwuchsförderpreis of the Albert-Ludwigs-Universität Freiburg, for dissertation.

Anja Klingenböck, D-UWIS, MEDIDA-PRIX-Förderpreis.

Prof. Gernot Kostorz, D-PHYS, Honorary Member of the German Society for Material Science.

Prof. Wolfgang Kröger, D-MAVT, Honorary Member of the Swiss Nuclear Society.

Fabian Kuhn, D-ITET, Best Paper Award International Conference on Distributed Computing (DISC); Best Paper Award ACM Symposium on the Principles of Distributed Computing (PODC).

Dr. Marc Kuhn, D-ITET, Best Paper Award at the IEEE Vehicular Technology Conference.

Andrea D. Kupferschmid Albisetti, D-UWIS, Forschungspreis der schweizerischen PLANAT (Nationale Plattform Naturgefahren).

Prof. Amos Lapidot, D-ITET, IEEE Fellow.

Dr. Tobias Leutenegger, D-MAVT, Georg-Fischer-Preis 2004.

Prof. Hans-Andrea Loeliger, D-ITET, IEEE Fellow.

Prof. Ulrike Lohmann, D-UWIS, 2003 Editors' Citation for Excellence in Refereeing for Geophysical Research Letters; Distinguished Lecture Series Award Goddard Space Flight Center.

Prof. em. Pier Luigi Luisi, D-MATL, Van Arkel Professor 2004 at the Faculty of Sciences of the University of Leiden.

Dr. Lutz Mädler, D-MAVT, Winner of the 2004 BASF Award in Process Engineering.

Prof. Isabelle Mansuy, D-BIOL, FEBS Anniversary Award, Boehringer Ingelheim FENS Research Award.

Dr. Christian Marxt, D-MTEC, award at the 8th International Design Conference – DESIGN 2004.

Giovanni Mastrogiacomo, D-MATL, SVMT Prize 2004 (Swiss Association for Materials Science and Technology), for diploma thesis.

Anna Nele Meckler, D-ERDW, Poster award at the Swiss Global Change Day 2004 (IGBP).

Prof. Frédéric Merkt, D-CHAB, Akademiepreis der Berlin-Brandenburgischen Akademie der Wissenschaften.

Aubin Michalon, D-BIOL, Julius Klaus Foundation Travel Award for FENS and MCCS meetings in Lisbon, Portugal.

Prof. Manfred Morari, D-ITET, Honorary Doctor of the Babes-Bolyai University, Cluj-Napoca, Romania; IEEE Control Systems Award 2005; IEEE Fellow.

Thomas Moscriboda, D-ITET, Best Presentation Award International Conference on Mobile Computing and Networking (MOBICOM); Best Paper Award ACM Symposium on the Principles of Distributed Computing (PODC).

Prof. Ralph Müller, D-ITET, Young Leader 2004 of the American Swiss Foundation.

Thomas Müller, D-ITET, Student award of the Swiss Society for Bio-medical Engineering, for diploma thesis.

Richard Munton, D-BIOL, Roche Research Foundation Travel Award.

Prof. Bradley Nelson, D-MAVT, Distinguished Lecturer 2004–2005 of the IEEE Robotics & Automation Society, Best Conference Paper Award at the IEEE 2004 (International Conference on Robotics and Automation).

Prof. em. Josef Nösberger, D-AGRL, Honorary Doctor of the Lviv State Agrarian University (Ukraine).

Prof. em. Helga Nowotny, Society in Science, Bernal Prize (4S Conference in Atlanta); Second period of office (2004–2007) as Chair of Eurab (European Research Advisory Board), Brussels.

Dr. Artem R. Oganov, D-MATL, European High-Pressure Research Group Award.

Prof. em. Gábor Oplatka, D-BAUG, Honorary Member of the Organisation Internationale pour l'étude de l'endurance des Câbles.

Koni Osterwalder, D-UWIS, MEDIDA-PRIX-Förderpreis.

Prof. Sven Panke, D-MAVT, Dutch DSM-Research Award.

Prof. Pablo A. Parrilo, D-ITET, Tucker Prize of the Mathematical Programming Society.

Prof. Michele Parrinello, D-CHAB, Schrödinger Medal 2005 and Watoc-Fellow of the World Association of Theoretically Oriented Chemists (Watoc); elected to the Royal Society of London.

Dr. Pavel Pospisil, D-CHAB, Bayer Award for Excellence in Computational Chemistry (Computational Chemistry Workshops in Wuppertal).

Prof. Dimos Poulikakos, D-MAVT, Hawkins Memorial Lecturer 2004 at the Purdue University, West Lafayette (USA).

Prof. Sotiris E. Pratsinis, D-MAVT, Thomas Baron Award of the American Institute of Chemical Engineers in San Francisco.

Prof. Roel Prins, D-CHAB, Honorary Professorship at the Sichuan University in Chengdu, at the Dalian University of Technology and at the Taiyuan University of Technology.

Prof. Klaas Paul Prüssmann, D-ITET, European Magnetic Resonance Award (9th Bi-Annual Conference on MR and Intermodality Contrast Agent Research in Porto, Portugal).

Elio Raveglia, D-BAUG, Heinrich-Hatt-Bucher-Preis 2004.

Dr. Benjamin Rembold, D-MAVT, Asea-Brown-Boveri-Forschungspreis 2004.

Prof. Timothy J. Richmond, D-BIOL, Member of the German Akademie der Naturforscher Leopoldina.

Prof. Peter Rieder, D-AGRL, King Albert Medal of Merit der King Albert I Memorial Foundation.

Frédéric Roschy, D-AGRL, Hermann Herzer Preis 2004 for diploma thesis.

Rodrigo Salazar, D-BIOL, Best publication award 2004 of the Swiss Society for Neuroscience.

Prof. Christoph Schär, D-UWIS, "100 wichtigste Schweizer des Jahres 2004", Schweizer Illustrierte.

Prof. Hans-Jörg Schek, D-INFK, IBM Shared University Research award.

Dr. Stephan Martin Scheuzger, D-GESS, Lazarus-Preis der Philosophisch-historischen Fakultät der Universität Bern, for dissertation.

Dr. Georg Schitter, D-MAVT, "Forschungspreis für Nanowissenschaften und Nanotechnologien des Landes Steiermark 2004 – Nachwuchsförderung", for dissertation.

Prof. Paul Schmid-Hempel, D-UWIS, Member of the German Akademie der Naturforscher Leopoldina.

Prof. Renate Schubert, D-GESS, Outreach Advisory Board of the Center for Research on Environmental Decisions (CRED) at the Columbia University; Mitglied der Eidg. Kommission für Konjunkturfragen; Stiftungsrätin der Münchner Rück Stiftung; Vorsitzende des Wissenschaftlichen Beirats "Globale Umweltveränderungen" der Deutschen Bundesregierung.

Barbara Schwab Züger, D-AGRL, Lateinamerikapreis der Hochschule St. Gallen, for dissertation.

Prof. em. Dieter Seebach, D-CHAB, 2004 Vincent du Vigneaud Award of the American Peptide Society; Honorary Member of the Swiss Chemical Society; Ryoji Noyori Prize 2004 of the Society of Synthetic Organic Chemistry, Japan.

Prof. Peter H. Seeberger, D-CHAB, Horace B. Isbell Award and Arthur C. Cope Young Scholar Award of the American Chemical Society; Otto-Klung-Weberbank-Preis for Chemistry.

Stephan Senn, D-MAVT, 2004 Best Student Paper Award of the ASME Advanced Energy Systems Division (Systems Analysis Technical Committee) at the IMECE 2004.

Martin Carl Sigrist, D-PHYS, IUPAP Young Author Best Paper Award at the International Conference on the Physics of Semiconductors 2004.

Hermann Marius Singer, D-PHYS, Junior Scientist Award 2004 at the Materials Week of the German Society for Material Science.

Prof. Paul Smith, D-MATL, Fellow of the Royal College of Chemistry (UK).

Carla Riccarda Soliva, D-AGRL, Hans-Vontobel-Preis 2004, for dissertation.

Adrian Spillmann, D-MAVT, Award by the Swiss Society for Chemical Engineering SGVC.

Dr. Christoph Sprenger, D-INFK, Best Paper Award at the FASE 2004 conference.

Prof. Wendelin J. Stark, D-CHAB, Hilti-Preis 2004.

Prof. Aldo Steinfeld, D-MAVT, Best Paper Award, ASME International Solar Engineering Conference.

Daniela Suppiger, D-MAVT, SAMPE Swiss Student Award at the second technical conference of the Society for the Advancement of Material and Process Engineering.

Prof. Ulrich W. Suter, Vice-President for Research, Honorary Member of the Swiss Academy of Engineering Sciences.

Prof. Hans Werner Tobler, D-GESS, Member of the section Social Sciences of the Academia Europea, London.

Dr. Marco Tomaselli, D-CHAB, Ruzicka-Preis 2004.

Arian Trüllinger, D-ITET, SEW-Studienpreis, for diploma thesis.

Dr. Stavros Tsantilis, D-MAVT, Best Poster Prize (International Congress PARTEC2004).

Dirk I. Uhlenhaut, D-MATL, Kunststofftechnik-Preis.

Davide Valtorta, D-MAVT, MICCAI 2004 NDI Student Award (7th International Conference on Medical Image Computing and Computer Assisted Intervention).

Prof. Wilfred F. van Gunsteren, D-CHAB, Mitglied des Universitätsrates der Universität Wien.

Dr. Harry van Lenthe, D-ITET, Young Investigator Award at the International Workshop on Bone Densitometry.

Mark Verbunt, D-UWIS, Outstanding Student Paper Award at the American Geophysical Union (AGU).

Martin von Siebenthal, D-ITET, Automatisierungs-Förderpreis 2004.

Dr. Uli Wagner, D-INFK, Richard-Rado-Preis 2004.

Nic Wallimann, D-ARCH, cemsuisse-Fotopreise 2004.

Heike Wanner, D-AGRL, Poster award, Swiss Society for phytiatry; Poster award in honour of Prof. emer. Robert van den Bosch, Zurich-Basle Plant Science Center and Swiss Society for Phytiatry.

Prof. Bernhard Wehrli, D-UWIS, Lady Davis Fellowship, Hebrew University, Jerusalem; Forschungsrat Schweiz. Nationalfonds.

Dominique Marc Wehrli, D-ARCH, cemsuisse-Fotopreise 2004.

Markus Wenk, D-ITET, Prix du Jeune Entrepreneur of the Section Suisse of the Conseillers du Commerce Extérieur de la France.

Florian Wiesinger, D-ITET, Isidor I. Rabi Award (12th scientific meeting and exhibition of the International Society for Magnetic Resonance in Medicine in Kyoto, Japan).

Prof. Erich J. Windhab, D-AGRL, "Blaise Pascal Medal 2004" of the European Academy of Sciences.

Prof. Armin Wittneben, D-ITET, Best Paper Award at the IEEE Vehicular Technology Conference.

Prof. Kurt Wüthrich, D-BIOL, Honorary Doctor of the Universities of Valencia (Spain) and Sheffield (UK); Honorary Professorships of the Dalian Institute of Chemical Physics, of the Dalian Institute of Light Industry (China); Profesor Extraordinario con distinción de Académico Ilustre der Universidad Nacional de Mar del Plata (Argentina); Honorary Member of the International Society for Magnetic Resonance in Medicine, of the Hungarian Academy of Sciences, of the World Academy of Young Scientists, of the World High Technology Society, Dalian (China), of the European Academy of Sciences and Arts, of the Groupement Ampère and of the Nuclear Magnetic Resonance Society of Japan; Foreign Member of the Latvian Academy of Sciences; Eyring Lectures at the Arizona State University Tempe; Robbins Lectures of the Pomona College (USA); Stambach Lecture, Swiss Society of Neuropathology; Derby Lecture, ISMRM 12th Scientific Meeting and Exhibition (Kyoto, Japan); Ernst-Abbe-Kolloquium, Friedrich-Schiller-Universität (Jena, Germany); Datta Lecture and FEBS Datta Lectureship Award, 29th FEBS Congress (Warsaw, Poland).

Martin Zellweger, D-ITET, Prix du Jeune Entrepreneur of the Section Suisse of the Conseillers du Commerce Extérieur de la France.

Prof. Renato Zenobi, D-CHAB, Theophilus Redwood Lecturer for 2005 of the Council of the Analytical Division of The Royal Society of Chemistry.

Dr. Peng Zhang, D-BIOL, Jubiläums-Förderpreispreis der Eiselen-Stiftung, Ulm.

Doron Zimmermann, D-GESS, Fellow of the Royal Historical Society, University College London.

D-AGRL: Departement Agriculture and Food Sciences; D-ARCH: Departement Architecture; D-BAUG: Departement Civil, Environmental and Geomatic Engineering; D-BIOL: Departement Biology; D-CHAB: Departement Chemistry and Applied Biosciences; D-ERDW: Departement Earth Sciences; D-GESS: Departement Humanities, Social and Political Sciences; D-INFK: Departement Computer Science; D-ITET: Departement Information Technology and Electrical Engineering; D-MATH: Departement Mathematics; D-MATL: Departement Materials Science; D-MAVT: Departement Mechanical and Process Engineering; D-MTEC: Departement Management, Technology and Economics; D-PHYS: Departement Physics; D-UWIS: Departement Environmental Sciences.

The list of prizes and honours has been established to the best of our knowledge. We cannot, however, guarantee its completeness.