

KAUNAS UNIVERSITY OF TECHNOLOGY GYMNASIUM

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SCHOOL

KTU Gymnasium was founded in 1989 as KPI Experimental Secondary School, a public establishment aiming at creating an academically advanced schooling environment for exceptional students from Lithuania. Enrolling students from grades 9 to 12, the Gymnasium is a national leader of schooling not only in terms of secondary education, but also in raising intellectually prominent, ambitious, competent, diligent, conscientious and distinguished young individuals.

The community of KTU Gymnasium, including many esteemed teachers, experts, professors and lecturers of Kaunas University of Technology, attracts the most academically accomplished and motivated pupils by contested acceptance to the school and offers the possibilities to greatly expand their horizons, seek their personal ambitions in various spheres, prove themselves in national and international academic Olympiads (with over 151 students having won titles in global competitions), all while thoroughly mastering the mandatory secondary education programme. The steadily growing number of academic Olympiad titleholders, along with consistently excellent results in the National school-leaving examinations of Lithuania, where the results of KTU Gymnasium students yearly rank top positions amongst other Lithuanian schools, prove the school to be an academic exemplar. The status of public establishment enables the school to have a flexible nature, utilizing it to continuously improve both the educational process and its community.

Having a remarkable foundation of socially, communally and civilly conscious individuals with firm virtues of responsibility and perennial self-improvement, KTU Gymnasium, over the course of its presence in independent Lithuania, has become a significantly substantial academic and social establishment.

TEACHERS IN THE GYMNASIUM

The teachers in the Gymnasium are highly qualified, with almost half of them having been awarded a Master's degree or PhD. 15 teachers are qualified as expert teachers or university lecturers.

| Criteria | | Number of teachers |
|--|---|--------------------|
| Professional qualification / Academic degree | Bachelor's degree and higher education (without a qualification degree) | 21 |
| | Master's degree | 15 |
| | Doctor's degree | 2 |
| Pedagogical qualification | Qualified teacher | 8 |
| | Senior teacher | 7 |
| | Teacher-methodologist | 15 |
| | Expert teacher | 8 |

ADMISSION

Every year, to ensure impartial admission to the school, 5 academic competitions titled MLT (Science Leaders' Tournaments) and entrance exams are held for 8th grade pupils who wish to be enrolled in KTU Gymnasium. The first five students who achieved the best results in MLT are admitted without taking entrance exams. Since 2016, 10th grade pupils are invited to take entrance exams to be admitted to an additional Year 11 class focusing on advanced IT teaching.

As of today, the school holds 3 classes of Year 9, 3 classes of Year 10, 4 of Year 11 and 4 of Year 12 students.

CURRICULUM

The Gymnasium is based on the principles of a European gymnasium-type school model and offers the teaching programme in accordance with the national syllabus. Year 9 and 10 students are required to study all subjects in the curriculum. Year 11 and 12 students can choose their own programme, adhering to the rules and requirements imposed. The programme is to encompass 28 to 35 academic hours per week and include subjects from various academic fields (such as Mathematics, Lithuanian, English, Biology, etc.). These subjects can be studied at either the extended level (A) or the standard level (B). A different number of academic hours is allocated to each subject and level. The students of IT classes are required to choose different numbers of hours.

Number*of academic hours (an academic hour lasts 45 min)

| Subject | Year 9 | Year 10 | Year 11 | | | Year 12 | | |
|---|--------|---------|---------|---------|----------|---------|---------|----------|
| | | | Level B | Level A | Level IT | Level B | Level A | Level IT |
| ETHICS/RELIGIOUS INSTRUCTION | 1 | 1 | 1 | - | - | 1 | - | - |
| LITHUANIAN (native language) | 5 | 5 | 4 | 5 | 5 | 4 | 5 | 5 |
| 1 ST FOREIGN LANGUAGE | 3 | 3 | - | - | - | - | - | - |
| 2 ND FOREIGN LANGUAGE | 2 | 2 | - | - | - | - | - | - |
| FOREIGN LANGUAGE B2 (CEFR) | - | - | 4 | | | 4 | | |
| FOREIGN LANGUAGE B1; A2 (CEFR) | - | - | 3 | | | 3 | | |
| HISTORY | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 |
| GEOGRAPHY | 2 | 2 | 2 | 3 | - | 2 | 3 | - |
| CITIZENSHIP | 1 | 1 | - | - | - | - | - | - |
| MATHEMATICS | 5 | 5 | 3 | 5 | 6 | 3 | 6 | 6 |
| INFORMATION TECHNOLOGIES | 1 | 1 | 1 | 2 | 4 | 1 | 2 | 4 |
| TECHNOLOGIES (programmed instruction, publishing, design) | 1 | 1 | - | - | - | - | - | - |
| PHYSICS | 2 | 2 | 2 | 3 | - | 2 | 4 | - |
| BIOLOGY | 2 | 2 | 2 | 3 | - | 2 | 3 | - |
| CHEMISTRY | 2 | 2 | 2 | 3 | - | 2 | 3 | - |
| ARTS | 1 | 1 | 2 | - | - | 2 | - | - |
| MUSIC | 1 | 1 | 2 | - | - | 2 | - | - |
| PHYSICAL EDUCATION | 2 | 2 | 2 | - | - | 2 | - | - |
| ECONOMICS | 1 | - | 2 | | | 2 | | |
| SOCIAL SERVICE | 15** | 15** | 20** | | | 10** | | |

*new curriculum from 2017

**minimum number of hours per year

CALENDAR FOR 2021-2022 SCHOOL YEAR

| | I | II | III | IV |
|---|--|----|--|----|
| The beginning of the school year | 09-01 | | | |
| Duration of the semesters | The 1 st Semester: 09-01 – 01-21 The 2 nd Semester: 01-24 – 06-17 | | The 1 st Semester: 09-01 – 01-21 The 2 nd Semester: 01-24 – 06-21 | |
| Autumn holidays | 11-03 – 10-31 | | | |
| Winter (Christmas) holidays | 12-27 – 01-07 | | | |
| Winter holidays | 02-14 – 02-18 | | | |
| Spring (Easter) holidays | 04-19 – 04-22 | | | |
| The end of the school year | 06-17 | | 05-20 | |
| The length of the education process in days | 185 | | 165 | |

GRADING SYSTEM

Students are assessed on a ten-point grading scale, where 10 is the highest grade. 10 is regarded as excellent, 9 and 8 indicates good results, 7 and 6 imply average, while 5 and 4 are regarded as lowest passing grades, 3-1 are considered failing grades. Continuous assessment is practised over the course of a semester. The grade average of every subject is given at the end of each semester. At the end of the school year, students are given final grades, which are the averages of both semesters.

GRADUATION

To be awarded the Maturity Certificate (Brandos Atestatas) students must take exams. To enter higher educational institutions the school-leavers have to pass at least 3 exams. A student can take the maximum number of 6 exams.

ALUMNI

KTU Gymnasium Alumni Association (KTU Gimnazijos Alumni Draugija) was founded in 2008 with the aim of uniting KTU Gymnasium graduates. The main objectives of the Association are

- to encourage and maintain relationships among KTU Gymnasium graduates as well as their relations with the Gymnasium;
- to contribute to the development of KTU Gymnasium;
- to defend the rightful interests of KTU Gymnasium Alumni.

The Association has been the founder and the sole sponsor of the annual *Teacher of the Year* award since 2006. The Association operates under the supervision of the members of the board, Marijus Strončikas, Aistis Vaitiekaitis, Orijana Mašalė, Marijus Kalesinskas, Mantas Lukoševičius and Monika Tarvydytė.

RESULTS OF NATIONAL SCHOOL-LEAVING EXAMINATIONS

Due to exceptionally high results of all state examinations, KTU Gymnasium is constantly among the three top schools in Lithuania. In recent years, the highest evaluations were received in state examinations of English, Information Technology and Natural Sciences. The results of all subjects are among top 10 results in Lithuania. In 2021, KTUG students received 142 highest evaluations, i.e., were awarded the maximum grade of 100.

To apply to a university in Lithuania, a school-leaver has to pass three mandatory examinations: Lithuanian, Mathematics and a foreign language (English, French or German). The most popular optional exams are Information Technology, Chemistry and Biology.

| Subject | 2021 | | | 2020 | | | 2019 | | | 2018 | | |
|--------------|------------|------------|-------------|------------|------------|-------------|------------|------------|-------------|------------|------------|-------------|
| | Total | 100 | Average | Total | 100 | Average | Total | 100 | Average | Total | 100 | Average |
| Lithuanian | 93 | 15 | 78,5 | 90 | 10 | 76,7 | 96 | 7 | 73,1 | 94 | 2 | 72,0 |
| Mathematics | 93 | 20 | 84,3 | 90 | 14 | 83,4 | 96 | 26 | 83,4 | 94 | 16 | 81,9 |
| English | 91 | 56 | 98,3 | 86 | 61 | 98,4 | 91 | 67 | 98,4 | 89 | 52 | 97,6 |
| IT | 40 | 25 | 97,4 | 43 | 23 | 94,1 | 45 | 26 | 94,7 | 36 | 24 | 96,8 |
| Biology | 35 | 9 | 95,7 | 31 | 4 | 91,7 | 29 | 6 | 91,0 | 34 | 8 | 93,7 |
| Chemistry | 33 | 3 | 89,2 | 42 | 2 | 88,9 | 39 | 12 | 91,1 | 44 | 3 | 85,2 |
| Physics | 20 | 2 | 87,2 | 18 | 2 | 87,2 | 19 | 5 | 87,7 | 27 | 1 | 78,4 |
| History | 19 | 1 | 85,8 | 12 | 1 | 86,7 | 19 | - | 83,7 | 15 | 1 | 87,3 |
| Russian | 2 | 2 | 100 | - | - | - | - | - | - | - | - | - |
| Geography | - | - | - | 6 | 4 | 96,3 | 7 | 2 | 86,9 | 2 | 2 | 100 |
| German | 9 | 8 | 97,7 | 3 | 2 | 93 | 1 | 1 | 100 | 3 | 3 | 100 |
| French | 1 | 1 | 100 | 1 | 1 | 100 | - | - | - | - | - | - |
| Total | 436 | 142 | 92,2 | 422 | 124 | 90,6 | 442 | 152 | 89,0 | 438 | 112 | 89,3 |

The overall results of foreign language examinations also include students' results of international examinations of foreign languages such as IELTS or TOEFL (if the student chose not to take the national examination)

CHOICES OF SCHOOL-LEAVERS IN 2017-2021

The dynamics of choosing studies after having finished secondary education.

| Year | Place of studies (%) | | | Type of studies (%) | | |
|------|----------------------|-------------------|---------|---------------------|-----------------------|------------|
| | Lithuania | Foreign countries | No data | Higher university | Higher non-university | Vocational |
| 2021 | 57 | 32 | 4 | 100 | 0 | 0 |
| 2020 | 64 | 32 | 4 | 100 | 0 | 0 |
| 2019 | 52 | 34 | 14 | 100 | 0 | 0 |
| 2018 | 59 | 33 | 8 | 100 | 0 | 0 |
| 2017 | 64 | 27 | 9 | 100 | 0 | 0 |

The dynamics of study choice shows that all the Gymnasium school-leavers who decide to continue their studies choose tertiary education institutions. This reflects the purpose of the Gymnasium - the school is oriented towards the Lithuanian students with high academic achievements in the fields of Physical and Technological sciences. Majority of the Gymnasium school-leavers continue their studies in Lithuania and only one- third of KTUG graduates pursue their studies abroad.

CHOICES OF STUDY FIELDS BY SCHOOL-LEAVERS, 2017-2021

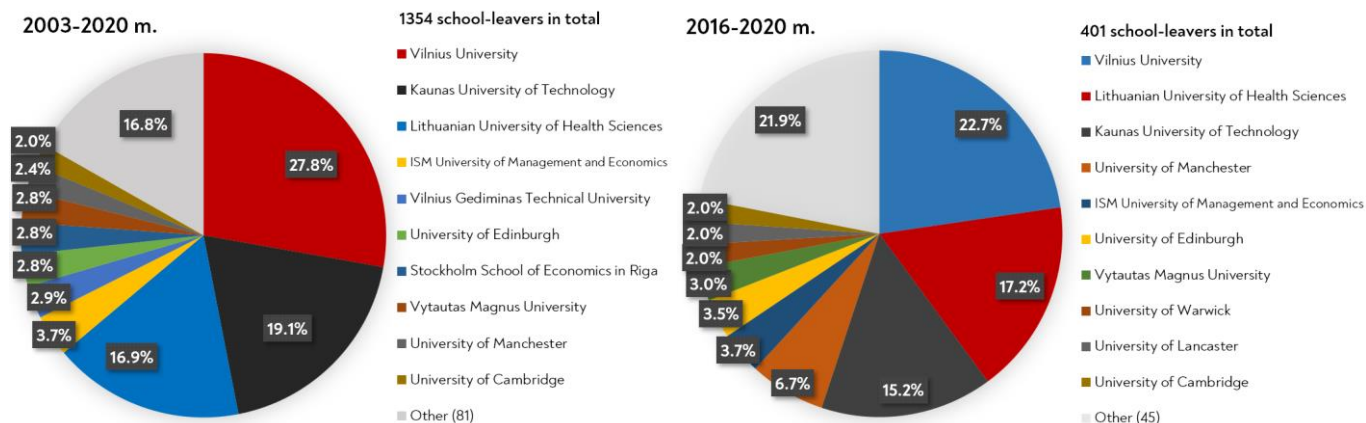
Technology and Biomedical sciences remain as the most popular fields of study among the Gymnasium students.

| Graduation year | Biomedical and Health Sciences | Nature Sciences | Technology Sciences | Social Sciences | Humanitarian Studies | Arts | No data | Grand Total |
|-----------------|--------------------------------|-----------------|---------------------|-----------------|----------------------|------|---------|-------------|
| 2021 | 15 | 17 | 34 | 18 | - | 5 | 4 | 93 |
| 2020 | 22 | 14 | 30 | 13 | 5 | 2 | 4 | 90 |
| 2019 | 17 | 10 | 26 | 16 | 9 | 3 | 14 | 95 |
| 2018 | 27 | 6 | 39 | 14 | - | 6 | 3 | 95 |
| 2017 | 23 | 10 | 19 | 11 | 2 | 5 | 10 | 77 |

CHOICES OF HIGHER INSTITUTIONS BY SCHOOL-LEAVERS SINCE 2003

The results have been public since the general qualification of higher education system was implemented in Lithuania in 2003. In total, 1270 pupils have graduated from the Gymnasium ever since.

Note: the charts provided below exclude the students who have chosen a gap-year or refused to provide information.



WINNERS OF NATIONAL OLYMPIADS IN 2018-2021

KTU Gymnasium students received 102 titles in National Olympiads and competitions.

| Subject | 2021 | | | | 2020 | | | | 2019 | | | | 2018 | | | |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | I | II | III | H.c. | I | II | III | H.c. | I | II | III | H.c. | I | II | III | H.c. |
| Chemistry | 8 | 6 | 4 | 4 | 3 | 6 | 12 | 1 | 5 | 5 | 7 | 4 | | 3 | 5 | 2 |
| Economics | 2 | 3 | 4 | 1 | 2 | 1 | 2 | | 2 | 4 | 1 | | 2 | 5 | 2 | 1 |
| Debates | 2 | | 1 | | | 1 | | | | | | | | 1 | | |
| Physics and astronomy | 1 | 2 | 1 | 2 | 2 | 1 | 4 | 2 | 4 | 8 | 10 | 4 | 2 | 4 | 10 | 4 |
| Information sciences | 1 | 1 | 3 | | 2 | 2 | 2 | 1 | 5 | 5 | 5 | | 4 | 4 | 5 | 2 |
| Lithuanian | 1 | | | | | | | | | | | | | | 1 | |
| Germany | 1 | | | | | | | | | | | | | | | |
| Mathematics | | 2 | 8 | | | 1 | | | 3 | 4 | 7 | 1 | 7 | 15 | 6 | 3 |
| Natural and Earth sciences | | 1 | 6 | 6 | | 1 | 6 | 1 | 1 | 1 | 1 | | 1 | | | |
| Biology | | 1 | 2 | | | | | | 2 | | 2 | 1 | 1 | | 2 | |
| English | | 1 | 1 | | | | | | 1 | 1 | | | | | | |
| French | | | 1 | | 1 | | | | | 1 | | | | | 1 | |
| Geography | | | 1 | | 1 | | | | 1 | 2 | 2 | | 3 | | 1 | |
| Philosophy | | | | | 1 | | 1 | | | 1 | | | | | | |
| Russian | | | | | | 1 | | | | 1 | | | | | | |
| Total | 16 | 17 | 32 | 13 | 12 | 14 | 27 | 5 | 24 | 33 | 35 | 10 | 20 | 32 | 33 | 12 |
| | 78 | | | | 58 | | | | 102 | | | | 97 | | | |

WINNERS OF INTERNATIONAL OLYMPIADS

Teaching exceptionally gifted students is a prioritized sphere of education that enables students to utilize their full potential and talent. Pupils representing the Gymnasium have won 128 medals and 22 honorary certificates in global student Olympiads:

| Subject | Gold | Silver | Bronze | Honorary certificate |
|-------------------------------|-----------|-----------|-----------|----------------------|
| Chemistry | 5 | 10 | 9 | 2 |
| Natural sciences | 5 | 19 | 14 | - |
| Debates | 2 | - | 2 | - |
| Mathematics | 1 | 2 | 12 | 14 |
| Physics and astronomy | 1 | 1 | 5 | 5 |
| History and philosophy | 1 | - | 1 | 1 |
| Information sciences | - | 11 | 13 | - |
| Biology | - | 1 | 8 | - |
| Geography | - | 3 | 1 | - |
| Economics | - | 1 | - | - |
| Total | 15 | 48 | 65 | 22 |

Achievements of students of Kaunas University of Technology Gymnasium in international competitions

| Nr. | Gold | Silver | Bronze | Honorary certificate |
|-----|--|--|---|-------------------------------------|
| 1 | Natural sciences / 2021 / Hungary | Economics / 2021 / Latvia | Debates / 2021 / Macau | Mathematics / 2019 / United Kingdom |
| 2 | Mendeleev chemistry Olympiad / 2019 / Russia | Information sciences / 2019 / Azerbaijan | Physics / 2021 / Lithuania | Philosophy / 2019 / Italy |
| 3 | Chemistry / 2017 / Thailand | Information sciences / 2019 / Azerbaijan | Information sciences / 2021 / Singapore | Chemistry / 2018 / Czech & Slovakia |
| 4 | Mendeleev chemistry Olympiad / 2017 / Kazakhstan | Geography / 2019 / Hong Kong | Natural sciences / 2021 / Hungary | Mathematics / 2018 / Romania |
| 5 | Natural sciences / 2015 / Austria | Chemistry / 2019 / France | Mathematics / 2020 / Russia | Physics / 2017 / Indonesia |
| 6 | History / 2014 / Estonia | Natural sciences / 2019 / Portugal | Information sciences / 2020 / Singapore | Mathematics / 2017 / Brasil |
| 7 | Natural sciences / 2012 / Lithuania | Natural sciences / 2019 / Portugal | Chemistry / 2020 / Turkey | Mathematics / 2016 / Hong Kong |
| 8 | Debates / 2010 / Netherlands | Information sciences / 2018 / Japan | Natural sciences / 2019 / Qatar | Mathematics / 2013 / Columbia |
| 9 | Chemistry / 2010 / Japan | Geography / 2018 / Canada | Natural sciences / 2019 / Qatar | Physics / 2011 / Thailand |
| 10 | Natural sciences / 2008 / Cyprus | Geography / 2018 / Canada | Natural sciences / 2019 / South Korea | Mathematics / 2010 / Kazakhstan |
| 11 | Natural sciences / 2008 / Cyprus | Biology / 2018 / Iran | Chemistry / 2019 / France | Mathematics / 2009 / Germany |
| 12 | Astrophysics / 2008 / Indonesia | Natural sciences / 2017 / Danemark | Biology / 2019 / Hungary | Physics / 2009 / Mexico |
| 13 | Chemistry / 2008 / Hungary | Natural sciences / 2017 / Danemark | Biology / 2019 / Hungary | Mathematics / 2008 / Spain |
| 14 | Mathematics / 2007 / Vietnam | Natural sciences / 2017 / Danemark | Mendeleev chemistry Olympiad / 2019 / Russia | Chemistry / 2007 / Russia |
| 15 | Global debates / 2005 / Macedonia | Natural sciences / 2017 / Danemark | Natural sciences / 2018 / Botswana | Mathematics / 2006 / Slovenia |
| 16 | | Natural sciences / 2016 / Indonesia | Information sciences / 2018 / Japan | Mathematics / 2005 / Mexico |
| 17 | | Chemistry / 2016 / Sakartvelo | Natural sciences / 2018 / Thailand | Mathematics / 2004 / Greece |
| 18 | | Natural sciences / 2016 / Estonia | Physics / 2018 / Portugal | Mathematics / 2003 / Japan |
| 19 | | Natural sciences / 2016 / Estonia | Chemistry / 2018 / Czech Republic & Slovakia | Physics / 1999 / Italy |
| 20 | | Natural sciences / 2016 / Estonia | Mathematics / 2018 / Romania | Mathematics / 1996 / India |
| 21 | | Mendeleev chemistry Olympiad / 2016 / Russia | Mendeleev chemistry Olympiad / 2018 / Belarus | Physics / 1996 / Norway |
| 22 | | Natural sciences / 2014 / Greece | Natural sciences / 2018 / Slovenia | Mathematics / 1995 / Canada |
| 23 | | Chemistry / 2014 / Vietnam | Natural sciences / 2017 / Netherlands | |
| 24 | | Natural sciences / 2013 / India | Geography / 2017 / Serbia | |
| 25 | | Natural sciences / 2013 / Luxembourg | Information sciences / 2017 / Iran | |
| 26 | | Chemistry / 2013 / Russia | Natural sciences / 2016 / Indonesia | |
| 27 | | Chemistry / 2013 / Russia | Natural sciences / 2015 / South Korea | |
| 28 | | Information sciences / 2012 / Latvia | Natural sciences / 2015 / South Korea | |
| 29 | | Chemistry / 2012 / USA | Natural sciences / 2015 / South Korea | |
| 30 | | Natural sciences / 2011 / Czech Republic | Chemistry / 2015 / Azerbaijan | |
| 31 | | Chemistry / 2011 / Turkey | History / 2014 / Estonia | |
| 32 | | Information sciences / 2011 / Thailand | Mathematics / 2014 / South Africa | |
| 33 | | Natural sciences / 2010 / Sweden | Mendeleev chemistry Olympiad / 2014 / Russia | |
| 34 | | Natural sciences / 2010 / Sweden | Biology / 2013 / Switzerland | |
| 35 | | Natural sciences / 2010 / Sweden | Natural sciences / 2012 / Iran | |
| 36 | | Natural sciences / 2010 / Sweden | Biology / 2012 / Singapore | |
| 37 | | Information sciences / 2010 / Canada | Biology / 2012 / Singapore | |
| 38 | | Mendeleev chemistry Olympiad / 2010 / Azerbaijan | Information sciences / 2012 / Italy | |
| 39 | | Chemistry / 2010 / Japan | Natural sciences / 2011 / South Africa | |
| 40 | | Natural sciences / 2009 / Azerbaijan | Debates / 2011 / Turkey | |
| 41 | | Mathematics / 2009 / Germany | Biology / 2011 / Taiwan | |
| 42 | | Information sciences / 2009 / Bulgaria | Biology / 2011 / Taiwan | |
| 43 | | Information sciences / 2008 / Egypt | Biology / 2010 / South Korea | |
| 44 | | Astrophysics / 2007 / Thailand | Mathematics / 2010 / Kazakhstan | |
| 45 | | Information sciences / 2007 / Croatia | Chemistry / 2009 / United Kingdom | |
| 46 | | Information sciences / 2006 / Mexico | Astrophysics / 2008 / Indonesia | |
| 47 | | Information sciences / 2000 / China | Physics / 2008 / Vietnam | |
| 48 | | Mathematics / 1996 / India | Chemistry / 2008 / Hungary | |
| 49 | | | Mathematics / 2008 / Spain | |
| 50 | | | Information sciences / 2007 / Croatia | |
| 51 | | | Mathematics / 2006 / Slovenia | |
| 52 | | | Mathematics / 2006 / Slovenia | |
| 53 | | | Information sciences / 2005 / Poland | |
| 54 | | | Mathematics / 2003 / Japan | |
| 55 | | | Mathematics / 2002 / Scotland | |
| 56 | | | Mathematics / 2000 / South Korea | |
| 57 | | | Mathematics / 1999 / Romania | |
| 58 | | | Information sciences / 1999 / Turkey | |
| 59 | | | Information sciences / 1998 / Portugal | |
| 60 | | | Information sciences / 1998 / Portugal | |
| 61 | | | Physics / 1997 / Canada | |
| 62 | | | Mathematics / 1997 / Argentina | |
| 63 | | | Information sciences / 1993 / Argentina | |
| 64 | | | Information sciences / 1992 / Germany | |
| 65 | | | Information sciences / 1992 / Germany | |