

International Mathematics Competition



IMC

11th International Mathematics Competition for University Students

23rd - 29th July, Skopje, Macedonia

<http://www.imc-math.org/>

2004

Organized by
University College London



Saints Cyril and Methodius University Skopje



Sponsors
Princeton University Press
Wolfram Research



President
Professor John E. Jayne
Department of Mathematics, University College London
Gower Street, London WC1E 6BT, UK
Tel: +44 (0)20 7679 7322; Fax: +44 (0)20 7419 2812
e-mail: j.jayne@imc-math.org
<http://www.ucl.ac.uk/~ucahjej/>

Local Organizer

Doc. Dr. Vesna Manova Erakovic
Faculty of Natural Sciences and Mathematics
Institute of Mathematics
P.O.Box 162, 1000 Skopje, MACEDONIA
vesname@iunona.pmf.ukim.edu.mk

Competition Coordinator

Dr Christina Draganova
c.draganova@imc-math.org

Every participating university is invited to send several students and one teacher. Individual students are welcome. The competition is planned for students completing their first, second, third or fourth year of university education and will consist of 2 Sessions of 5 hours each. Problems will be from the fields of Algebra, Analysis (Real and Complex) and Combinatorics. The working language will be English.

Over the ten competitions we have had students from the following ninety four universities

Amirkabir University of Technology (Tehran), Universidad de los Andes (Colombia), University of Athens, Babes-Bolyai University (Romania), Belarusian State University, University of Belgrade, Bessenyei College Nyiregyhaza (Hungary), University of Birmingham, Blagoevgrad South-West University (Bulgaria), University of Bonn, University of Bordeaux, International University of Bremen, Universite Libre de Bruxelles, University of Bucharest, Cambridge University, Charles University (Prague), Universidad Nacional de Colombia (Bogota), Universidad Nacional de Colombia (Medellin), Comenius University (Slovakia), Complutense University of Madrid, Nicholas Copernicus University (Poland), University of Craiova, University of Cyprus, Ecole Polytechnique (Paris), ENSAE (Paris), Ecole Normale Supérieure (Paris), Free University Berlin, Ben Gurion University, Helsinki University, Helsinki University of Technology, Humboldt University Berlin, IME - Instituto Militar de Engenharia (Brazil), Intereollege - Cyprus, University of Iowa, ITA - Instituto Tecnológico de Aeronáutica (Brazil), Jagiellonian University (Poland), University of Jerusalem, Kharkov State University (Ukraine), Kiev Polytechnic University, University of Kishineu (Moldova), Kyiv Taras Shevchenko University, Kyiv-Mohyla Academy, University of Ljubljana (Slovenia), University College London, Lorand Eotvos University (Hungary), Masaryk University Brno (Czech Republic), Massachusetts Institute of Technology, Max-Planck Institute (Germany), Adam Mickiewicz University (Poland), Moldova State University, Mongolian University of Science and Technology, National University of Mongolia, Moscow State University, Moscow Institute of Physics and Technology, University of Murcia (Spain), Antonio Narino University (Colombia), University of Nis (Serbia), North University of Baia Mare (Romania), Odessa National Mechnikov University (Ukraine), University of Oradea (Romania), Oxford University, University of Paris VI, Petru Maior University, Plovdiv University (Bulgaria), Rousse University (Bulgaria), Sapientia - Hungarian University of Transylvania, Shahid Beheshti University (Iran), Sharif University of Technology (Tehran), Shiraz University (Iran), University of Shoumen (Bulgaria), University of Skopje (Macedonia), University of Sofia, Stuttgart University, Sumy State University, University of Szeged (Hungary), University of Tartu (Estonia), Teacher Training University Tehran, Technical University Budapest, Technical University-Berlin Fachbereich Mathematik, Technical University of Cluj (Romania), Technion Institute (Israel), Tel-Aviv University, University of Timisoara (Romania), UFRJ - Universidade Federal do Rio de Janeiro (Brazil), UFSC - Universidade Federal de Santa Catarina (Brazil), UNICAMP (Brazil), University of Valencia (Spain), University of Veliko Turnovo (Bulgaria), Vilnius University (Lithuania), Warsaw University, University of Warwick, University of the West Indies, University of Zagreb (Croatia), University of Zaragoza (Spain)

The following thirty one countries have been represented

Barbados, Belarus, Belgium, Brazil, Bulgaria, Colombia, Croatia, Cyprus, Czech Republic, Estonia, Finland, France, Germany, Greece, Hungary, Iran, Israel, Lithuania, Macedonia, Moldova, Mongolia, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Spain, Ukraine, United Kingdom, United States