



## NEWS RELEASE

### Ninth Annual International Mathematical Modeling Challenge (IM<sup>2</sup>C)<sup>®</sup> 2023

We are pleased to announce the results of the ninth annual International Mathematical Modeling Challenge (IM<sup>2</sup>C). There were 31 countries/regions invited to participate in the 2023 IM<sup>2</sup>C and after the national selection round, 55 teams competed in the international round of judging. All teams worked at their own schools during a 5-day period between February 13th and May 1st, 2023. Each team was given a modeling problem and then constructed their solutions. This year's problem **Using Land: A valuable resource** asked the teams to develop a model for the optimal land use planning and the balancing of community values and business profits.

#### Outstanding Teams

**Ridley College  
Canada**

Advisor:

Gary Pimentel

Students:

Alex(Zixuan) Li

Bobo(Ziang) Li

Michael(Yan) Xiao

Jocelyn Wang

**Heinrich-Heine-Gymnasium  
Germany**

Advisor:

Barbara Burckhardt

Students:

Hatim Abdel Ghaffar

Marten Maager

Jonas Alexander Daniel Nickel

Aaron Oliver Patschula

We commend all the schools for their efforts. The judges were impressed with all the teams' creativity and ingenuity in mathematical modeling and in their ability to explain their strategies and problem-solving techniques in clear terms. Each participant is a true winner. A complete Results Report, listing all teams by designation, as well as the full problem statement can be found at [www.immchallenge.org](http://www.immchallenge.org). For additional contest information, contact IM<sup>2</sup>C at: [info@immchallenge.org](mailto:info@immchallenge.org).



儒蓮教科文機構  
NeoUnion ESC Organization

*Funding for planning and organizational activities was provided by IM<sup>2</sup>C co-founders and co-sponsors - The Consortium for Mathematics and its Applications (COMAP), a not-for-profit company dedicated to the improvement of mathematics education and by NeoUnion ESC Organization in China Hong Kong (SAR).*

# 9th Annual International Mathematical Modeling Challenge Results

<u>Ctrl#</u>	<u>Designation</u>	<u>Institution</u>	<u>Advisor</u>	<u>Location</u>	<u>Country/Region Represented</u>
<b><u>Outstanding</u></b>					
2023001	Outstanding	Ridley College	Gary Pimental	St.Catharines, Ontario	Canada
2023030	Outstanding	Heinrich-Heine-Gymnasium	Barbara Burckhardt	Kaiserslautern, Rheinland-Pfalz	Germany
<b><u>Meritorious</u></b>					
2023006	Meritorious	Beijing Academy	Xuening Hou, Xiao Liang	Beijing	China Mainland
2023027	Meritorious	School Affiliated to Hou Kong Middle School	LEONG IENG FAI, CHAN IO ON, SIO	Macao	China Macau (SAR)
2023046	Meritorious	Massachusetts Academy of Math & Science	Kristen Burns	Worcester, MA	USA
2023055	Meritorious	Philippine Science High School Main Campus	Fortunato A. Tacuboy III	Quezon	Philippines
2023057	Meritorious	Victoria Junior College	Soh Qian Wei	Singapore	Singapore
<b><u>Honorable Mention</u></b>					
2023005	Honorable Mention	St Andrew's Scots School	Christopher Krnic	Buenos Aires	Argentina
2023008	Honorable Mention	Hohenstaufen-Gymnasium	Gabriele Lapport	Kaiserslautern	Germany
2023009	Honorable Mention	Macao Puiching Middle school	Wu Chon Meng and Lei Ut Teng	Macao	China Macau (SAR)
2023010	Honorable Mention	Brisbane Boys' College	Heather Meinecke	Queensland	Australia
2023012	Honorable Mention	Christelijk College Nassau-Veluwe	Eline Westerhout	Harderwijk	The Netherlands
2023013	Honorable Mention	Liceo Bicen. Santa Teresa de Los Andes	María Angélica Fuentes Salazar	Colina	Chile
2023014	Honorable Mention	Mt Albert Grammar	Michael Walden	Auckland	New Zealand
2023015	Honorable Mention	Shenzhen College of International Education	Barbara Delprete	Shenzhen	China Mainland
2023016	Honorable Mention	Central Academy	Michael Marcketti	Des Moines, IA	USA

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2023018	Honorable Mention	Sydney Boys High School	Andrew Wang	Sydney	Australia
2023019	Honorable Mention	Amalie Skram Videregående skole	Marit Lahn-Johannessen	Bergen	Norway
2023020	Honorable Mention	PRIVATE INTERNATIONAL ENGLISH SCHOOL ABU	MR.JOHN D	ABU DHABI	United Arab Emirates
2023021	Honorable Mention	Diocesan Girls' School	Yeung Po Ki Dora	Kowloon	China Hong Kong (SAR)
2023023	Honorable Mention	Cita Hati Christian School West Campus	Doran Mondal	Surabaya	Indonesia
2023026	Honorable Mention	Liceo Bicen. Santa Teresa de Los Andes	María Angélica Fuentes Salazar	Colina	Chile
2023031	Honorable Mention	Westlake Boys High School	Kun Yu	Auckland	New Zealand
2023032	Honorable Mention	Gyeonggi Science High School for the Gifted	SangHoon Park	Suwon	South Korea
2023033	Honorable Mention	Sekolah Bogor Raya	Koko Budiarto	Bogor	Indonesia
2023036	Honorable Mention	Batory High School	Tomasz Lechowski	Warszawa	Poland
2023038	Honorable Mention	HKUGA College	Chan Ka Wing, Leung Tai Yin, Leung Chi	Hong Kong	China Hong Kong (SAR)
2023041	Honorable Mention	Mathematical Association of Nepal	Prajit Adhikari	Kathmandu	Nepal
2023043	Honorable Mention	Mahidol Wittayanusorn School	Sittichoke Som-am	Phuttamonton	Thailand
2023045	Honorable Mention	Mathematical Association of Nepal	Prajit Adhikari	Kathmandu	Nepal
2023052	Honorable Mention	Philippine Science High School Main Campus	Fortunato A. Tacuboy III	Quezon City	Philippines
2023054	Honorable Mention	Escola Secundaria Antonio Damasio	Helder Manuel Conceicao Barao Martins	Lisboa	Portugal
2023059	Honorable Mention	Colegio Gençana	Borja Navarro Martínez	Godella	Spain
2023060	Honorable Mention	Dunman High School	Steven Lee Joo Li	Singapore	Singapore

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2023062	Honorable Mention	Gymnazium Kosice, Alejova	Marian Macko	Kosice	Slovakia
2023063	Honorable Mention	2nd SLO High School	Sławomir Jagiełło	Warszawa	Poland
2023064	Honorable Mention	Distinction and Creativity Agency	Almohanad makki	Damascus	Syria
2023065	Honorable Mention	Gymnazium Kosice, Alejova	Marian Macko	Kosice	Slovakia
2023066	Honorable Mention	American School of Valencia	Mario Muñoz	Puçol	Spain
2023067	Honorable Mention	ALKEV HIGH SCHOOL	Cilem Kahraman Topguloglu	ISTANBUL	Turkey
2023070	Honorable Mention	Kamnoetvidya Science Academy	Guntaphon Tassanasophon	Rayong	Thailand
2023071	Honorable Mention	Hanoi Amsterdam High School	Nguyen Trung Hieu	Hanoi	Vietnam
<b><u>Successful Participant</u></b>					
2023004	Successful Participant	AESC MSU	Naralenkova Irina Igorevna	Moscow	Russia
2023007	Successful Participant	Prepa Tec EGL	Yuliana Tsunami Almaguer Leal	Monterrey	Mexico
2023011	Successful Participant	North London Collegiate School Jeju	Ms. Cha	Seogwipo-si, Jeju-do	South Korea
2023017	Successful Participant	Ukarumpa International School	Derek Johnson	Ukarumpa	Papua New Guinea
2023028	Successful Participant	Dunya IB School	Javid Bunyatov	Baku	Azerbaijan
2023029	Successful Participant	Wesley Girl High School	Mei Chu, Hung	Taipei	Taiwan China
2023034	Successful Participant	Classical Gymnasium Number 160	Malahat Alaskarova	Balicii	Azerbaijan
2023040	Successful Participant	AESC MSU Kolmogorov Boarding School	Yulia Vladimirovna Kuryshova	Moscow	Russia
2023049	Successful Participant	Utrechts Stedelijk Gymnasium	Fransje Praagman	Utrecht	The Netherlands

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2023053	Successful Participant	PRIVATE INTERNATIONAL ENGLISH SCHOOL ABU	MR.JOHN.D	ABU DHABI	United Arab Emirates
2023056	Successful Participant	Escola Secundária da Gafanha da Nazaré	Maria de Fátima Carvalho Leitão Álvares	Gafanha da Nazaré	Portugal
2023058	Successful Participant	Eyüboğlu High School	Pınar Özkul Sezgin	İstanbul	Turkey
2023068	Successful Participant	Distinction and Creativity Agency	Almohanad Makki	Damascus	Syria