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ROME CUP 2023
ADVANCING TECHNOLOGY FOR HUMANITY
Artificial intelligence and human intelligence. Crucial challenges for a better world

3 and 4 May, Campus Bio-Medico University, Rome
5 May, Capitol

PROGRAM

A major event dedicated to the frontiers of technological development, focusing on the value of the person and the planet, now in its 16th edition. The RomeCup 2023, promoted by the Fondazione Mondo Digitale and the University Campus Bio-Medico of Rome, aims to discuss science and technology by bringing together schools, universities, companies and institutions.

The focus is on research, training, orientation and innovative educational approaches that can influence the growth of young people by steering them towards a new model of integrated multidisciplinary education. Scientists, philosophers, educators, opinion leaders, scholars, business leaders and public decision makers will discuss various topics:

Will we arrive at general artificial intelligence with the adaptability and versatility of human intelligence? How can artificial intelligence help save the planet? Will artificial intelligence replace human labour? If, as Raymond Kurzweil claims, in this century the non-biological part of our intelligence will greatly exceed human intelligence, how will we react? Does human-machine interaction go against or is it part of the divine plan? What are the ethical implications in this field?

Since its first edition, the RomeCup has been a multi-event: conferences, competition fields, workshops and challenges set the scene for robots built by Italian schools. Young people discover the excitement of learning in an open context, collaborating and sharing knowledge and skills. They explore the most inclusive frontiers of technology. The RomeCup is an original vertical accelerator model for development, involving schools, universities, research centres, start-ups, SMEs and production districts. For students engaged in international challenges, the motto is always the same: 'The important thing is not to win, but to learn'.

On the occasion of this 16th edition, the Fondazione Mondo Digitale is establishing the '**Advancing Technology for Humanity. Most Promising Researcher in Robotics and AI**', dedicated to researchers in the field of robotics and artificial intelligence.

The RomeCup will be held from **3 to 5 May 2023** in Rome at the **Campus Bio-Medico University of Rome**, which celebrates its 30th anniversary **this year**, and at the **Campidoglio**.



3 MAY 2023, Campus Bio-Medical University of Rome

<p>Trapeze Aula Magna 10 - 12</p>	<p>INAUGURATION Moderator: Lorenzo DI LAS PLASSAS, journalist Rai News 24</p> <ul style="list-style-type: none"> · Anna Maria BERNINI, Minister for Universities and Research · Adolfo URSO, Minister of Enterprise and Made in Italy · Carlo TOSTI, President University Campus Bio-Medico of Rome and Fondazione Policlinico Universitario Campus Bio-Medico · Mirta MICHILLI, Director General of the Fondazione Mondo Digitale · Angelo CAMILLI, President Unindustria · Shawn CROWLEY, Chargé d'Affaires, Embassy of the United States of America in Italy · Roberto GUALTIERI, Mayor, Roma Capitale <p>INAUGURAL CONFERENCE - 'ADVANCING TECHNOLOGY FOR HUMANITY'</p> <p>Introduced: Eugenio GUGLIELMELLI, Rector of the University Campus Bio-Medico of Rome</p> <p>Speakers:</p> <ul style="list-style-type: none"> · Hermano Igo KREBS, Principal Research Scientist & Lecture, Massachusetts Institute of Technology, Mechanical Engineering Dept. · Daniele PUCCI, Head of Artificial and Mechanical Intelligence Center for Robotics and Intelligent Systems, Italian Institute of Technology · Simona CREA, researcher at the Biorobotics Institute of the Scuola Superiore Sant'Anna, Pisa
<p>Trapeze Classroom T8 12 - 13</p>	<p>SCIENCE AND TECHNOLOGY IN THE SERVICE OF HUMAN DEVELOPMENT Moderator: Alessandro DI BUSSOLO, journalist Vatican News and Vatican Radio</p> <p>Introduced:</p> <ul style="list-style-type: none"> · Alfonso MOLINA, Scientific Director of the Fondazione Mondo Digitale and Personal Chair in Technology Strategy, University of Edinburgh <p>Speakers:</p> <ul style="list-style-type: none"> · Rosario SORBELLO, Co-Director Robotics Lab, University of Palermo · Vittoradolfo TAMBONE, Professor of Forensic Medicine and Bioethics, Campus Bio-Medico University, Rome · Fr Andrea CIUCCI, Pontifical Academy for Life
<p>PRABB Classroom R20 15 - 16</p>	<p>Advancing Technology for Humanity Award - Most Promising Researcher in Robotics and AI</p> <p>THE FRONTIERS OF RESEARCH IN ITALY - SESSION WITH YOUNG TALENTS Moderator: Mario BENEDETTO, journalist Il Tempo</p> <p>Speakers (in alphabetical order)</p> <ul style="list-style-type: none"> · Isabella FIORELLO, Postdoctoral Researcher, Bioinspired Soft Robotics at the Italian Institute of Technology (IIT)

	<ul style="list-style-type: none"> · Marco FRANCESCHINI, Director of the Clinical Research Laboratory in Neuromotor Rehabilitation at IRCCS San Raffaele · Giovanni MUSCATO, Director of the Department of Electrical, Electronic and Computer Engineering, University of Catania · Daniele NARDI, Professor of Artificial Intelligence Sapienza University of Rome and Director of the National Artificial Intelligence and Intelligent Systems Laboratory of CINI (National Interuniversity Consortium for Informatics) · Paolo RAVAZZANI, Director of the Institute of Electronics and Information and Telecommunications Engineering IEIT of the National Research Council · Loredana ZOLLO, Professor at the University Campus Bio-Medico in Rome and Dean of the Department of Engineering
Trapeze Classrooms T7, T8, T9, T10, Aula Magna 10-15	STUDENTS MEET UNIVERSITIES Live orientation sessions for 3 rd -4 th -5 th year high school students organised by Università Campus Bio-Medico, Sapienza Università di Roma, Università degli studi Roma Tre, Università degli studi di Roma Tor Vergata, Università Telematica San Raffaele, Università Politecnica delle Marche
Trapeze, Tensostructure and PRABB 10 - 16	DEMONSTRATION AREA Prototypes from universities, schools, companies, start-ups and research centres on display
PRABB, Classroom R21 and Tensostructure 10 - 18	ROBOTICS COMPETITIONS 16th CITY OF ROME INTERNATIONAL ROBOTIC TROPHY (Rescue Line, On Stage Primary, On Stage Advanced, Explorer Junior, Explorer Senior) ROBOCUP JUNIOR NATIONAL CHAMPIONSHIPS (Soccer Open League, Soccer Light Weight, Rescue Simulation)
Trapeze, Classrooms T14, T15, T16,T17 10 - 16	EDUCATIONAL WORKSHOPS Educational robotics workshops for students and teachers of schools of all levels by FMD and partners
Trapeze Aule T7 14 - 18	RISING YOUTH' HACKATHON Hackathon of the Rising Youth project, in cooperation with SAP

4 MAY 2023 Campus Bio-Medical University of Rome

Trapeze Aula Magna 10 -11	THE ARTIFICIAL INTELLIGENCE REVOLUTION Moderator: Giorgio PACIFICI , TG2 journalist They introduce: Andrea Rossi , CEO and Director General of the University Campus Bio-Medico of Rome Mirta Michilli , Director General of the Fondazione Mondo Digitale Interventions by: <ul style="list-style-type: none"> · Silvia CANDIANI, Vice President Telecommunications Microsoft · Luca COLOMBO, Country director Meta Italy
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	<ul style="list-style-type: none"> · Melissa FERRETTI PERETTI, CEO Google Italy · Gennaro FAELLA, SVP Strategic Innovation & Development Leonardo · Valerio ROMANO, Senior Managing Director - Cloud First Lead Accenture · Romano STASI, Secretary General ABI Lab
<p>Trapeze Aula Magna PRABB, Classroom R20 11-12.30</p>	<p>THE NETWORKED WELL-BEING OF THE MOST FRAGILE - Presentation of the programme LIVE INTERNET BETTER and training sessions for teachers and caregivers</p> <p>Moderator Giampiero MARRAZZO, journalist and anchorman Rai Tre</p> <p>Interventions by:</p> <ul style="list-style-type: none"> · Mirta MICHILLI, Director General of the Fondazione Mondo Digitale · Martina COLASANTE, Government Affairs & Public Policy Manager, Google Italy · don Vincenzo BARBANTE, president of the Don Carlo Gnocchi Foundation · Anna CAVALLINI, child neuropsychiatrist at the Don Carlo Gnocchi Foundation · Silvia GUERRERA, child neuropsychiatrist at the Bambino Gesù Children's Hospital · Elena MURELLI, Senator, Group Leader of the Social Affairs, Labour and Health Commission (European Union Policies Commission)
<p>Trapeze Aula Magna 12 - 13</p>	<p>LAZIO, A TECHNOLOGICAL DISTRICT OF EXCELLENCE In collaboration with Lazio Innova and Rome Technopole Foundation</p> <p>Opening remarks by Roberta ANGELILLI, Vice-President - Councillor for Economic Development, Trade, Crafts, Industry, Internationalisation of the Lazio Region (awaiting confirmation)</p> <p>Interventions by:</p> <ul style="list-style-type: none"> · Alfonso MOLINA, Scientific Director of the Fondazione Mondo Digitale and Personal Chair in Technology Strategy, University of Edinburgh · Luigi CAMPITELLI, Open Innovation Hubs - Operations Director at Lazio Innova · Daniele NARDI, Professor of Artificial Intelligence Sapienza University of Rome (HUB of the Rome Technopole Foundation) <p>Engineering' tells Lazio's young people about itself.</p>
<p>Trapeze, Classroom T9, T10 10-13</p>	<p>STUDENTS MEET UNIVERSITIES Live orientation sessions for 3^{-4^o} -5^o year high school students organised by Università Campus Bio-Medico, Sapienza Università di Roma, Università degli studi Roma Tre, Università degli studi di Roma Tor Vergata, Università degli Studi della Tuscia, Università per Stranieri di Perugia</p>
<p>Trapeze, Room T7 10 - 13</p>	<p>UNIVERSITY CONTESTS Creative contests for the realisation of robotic technologies applied to various sectors, including agriculture, elderly care and rehabilitation. Presentation of prototypes to the jury</p>

	Categories: COBOT, GRANNIBOT, AGROBOT, MAREBOT, TIRBOT, BRAIN CONTROL INTERFACE
Trapeze and PRABB 10 - 13	DEMONSTRATION AREA
PRABB, Classroom R21 and Tensostucture, Trapeze (Aquarium) 10 - 18	ROBOTICS COMPETITIONS 16TH INTERNATIONAL CITY OF ROME ROBOTICS TROPHY NATIONAL ROBOCUP JUNIOR CHAMPIONSHIPS WORLD ROBOT OLYMPIAD (WRO®) - 7th edition (International robotics and coding competition promoted by Dreampuzzle ETS)
Trapeze, Classrooms T8, T14, T15, T16,T17 10 - 16	EDUCATIONAL WORKSHOPS
from 9 p.m.	LET US ALL CELEBRATE TOGETHER Party with cocktail bar and DJ set at the Roman Aquarium (piazza Manfredo Fanti 47)

5 MAY 2023, Capitol, Protomoteca Hall	
Capitol Protomoteca Hall 9 - 12	ROBOTICS COMPETITION FINALS 16TH INTERNATIONAL CITY OF ROME ROBOTICS TROPHY NATIONAL ROBOCUP JUNIOR CHAMPIONSHIPS
Capitol Protomoteca Hall 12 - 12.30	AWARD CEREMONY Awards Roberto GUALTIERI , Mayor of Roma Capitale Speakers: <ul style="list-style-type: none"> · Renato BRUNETTI, President of the Fondazione Mondo Digitale · Eugenio GUGLIELMELLI, Rector of the University Campus Bio-Medico of Rome · Alfonso MOLINA, Scientific Director of the Fondazione Mondo Digitale and Personal Chair in Technology Strategy, University of Edinburgh Robocup Junior National Championships Award 16th City of Rome International Robotics Trophy Award Advancing Technology for Humanity Award - Most promising Researcher in Robotics and AI