



Republic of the Philippines  
**Department of Education**  
REGION X – NORTHERN MINDANAO  
**SCHOOLS DIVISION OF EL SALVADOR CITY**

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**Office of Schools Division Superintendent**

DIVISION ADVISORY  
No. 049, s. 2022  
April 11, 2022

*In compliance with DepEd Order No. 8, 2013,  
this Advisory is issued not for endorsement as per DO No. 28, 2001  
but for the information of DepEd Officials, Personnel/ Staff, and the concerned public.  
(visit <https://depedelsalvadorcity.net>)*

**INCREASING STUDENT INTEREST AND ENGAGEMENT IN  
SPACE EXPLORATION CONFERENCE**

The Future African Space Explorer's STEM Academy (FASESA) is inviting teachers to attend a 3-day conference on Increasing Student Interest and Engagement in Space Exploration on April 27 to 29, 2022.

Attached is the communication for the complete details.

Further, this Office shall adhere to Equal Opportunity Principle (EOP). Hence, all actions shall be based solely on guidelines set with no discrimination on the account of age, gender, identity, sexual orientation, civil status, disability, religion, ethnicity, or political affiliation.

Participation shall be subject to the *no-disruption-of-classes policy* stipulated in DepEd Order No. 09, s. 2005 entitled *Instituting Measures to Increase Engaged Time-On-Task and Ensuring Compliance Therewith*.

For information and guidance.

**OLGA C. ALONSABE, PhD, CESO V**  
Schools Division Superintendent

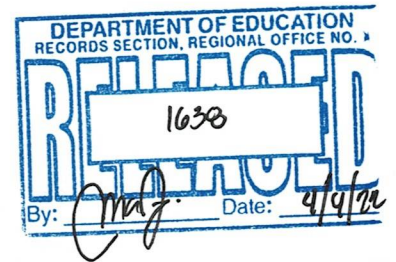
CID/mjac



Address: Zone 3, Poblacion, El Salvador City | Tel. No. (088) 555-0475  
Website: [www.depedelsalvadorcity.net](http://www.depedelsalvadorcity.net) | Email: [elsalvador.city@deped.gov.ph](mailto:elsalvador.city@deped.gov.ph)



Republic of the Philippines  
**Department of Education**  
REGION X - NORTHERN MINDANAO



Regional Advisory No. 78, s. 2022  
March 31, 2022

Complying with DepEd Order No. 8, s. 2013,  
this Office issues this Advisory not for endorsement per DO 28, s. 2001,  
but for the information of DepEd officials,  
personnel/staff, and the concerned public.  
(Visit [deped10.com](http://deped10.com))

**INCREASING STUDENT INTEREST AND ENGAGEMENT  
IN SPACE EXPLORATION CONFERENCE**

The Future African Space Explorer's STEM Academy (FASESA) is inviting students and teachers to join the Increasing Student Interest and Engagement in Space Exploration Conference in April 27-29.

The participation of both public and private schools shall be on a voluntary basis. As such, the participants themselves shall shoulder any registration fees and travel/incidental expenses. Further, their participation shall be subject to the *no-disruption-of-classes policy* stipulated in DepEd Order No. 9, s. 2005 titled *Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance therewith*, Section 3 of Republic Act No. 5546 (Policy on Contributions), and DepEd Order No. 66, s. 2017 (Policy on Off-Campus Activities).

Attached is the letter from the Future African Space Explorer's STEM Academy for reference.

For more information, please email at [sean@fasesa.com](mailto:sean@fasesa.com).

This Office directs the immediate and wide dissemination of this Advisory.

ATCH: As stated  
To be indicated in the Perpetual Index  
under the following subjects:

*Sean*  
INVITATIONS      CONFERENCE

CLMD/nick



DepEd Regional Office X, Zone 1, Upper Balulang, Cagayan de Oro City  
(088) 856-3932 | (088) 881-3137 | (088) 881-3031  
Department of Education Region 10  
[region10@deped.gov.ph](mailto:region10@deped.gov.ph)  
<http://deped10.com>



27 - 29

**APRIL**

2022

A black and white photograph of a space shuttle on the assembly line at night. The shuttle is illuminated by bright lights, and the surrounding structure is a complex network of scaffolding and beams. The shuttle is positioned on the right side of the frame, facing left. The background is dark, with some lights visible in the distance. The overall scene is industrial and futuristic.

# **INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE**

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BRINGING SPACE INTO THE  
CLASSROOM AS A GATEWAY TO STEM



**FASESA**

FEDERAL AERONAUTICAL SPACE EXPLORER'S STEM ACADEMY



## **INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE**

### **INTRODUCTION**

Space exploration is an emerging global megatrend and recent developments in space travel may be setting the stage for a striking new era of Space Exploration. As evidenced by the recent leaps and strides in space exploration by the likes of Sir. Richard Branson, Elon Musk, and Jeff Bezos, space exploration is an expanding vocation that will provide vast socio-economic benefits to a nation.

FASESA understands that cultivating an interest in space exploration begins at a young age. Through introducing the vocation to children, then guiding and equipping them with the resources and skills to explore the subject further, will greatly increase a nation's ability to produce thought leaders in the field, who will form the basis of future space programs

### **ABOUT THE CONFERENCE**

The Conference offers a great opportunity to the African teachers, administrators, education officials, and students to get acquainted with the Space exploration in the curriculum, and each other. Space education experts sharing new teaching methodologies with African institutions will make a long-lasting connection. This unique event will serve as a model, transferable to other K-12 institutions and lead to deep space contributions and societal engagement from future space leaders.

This event will bring together teachers, administrators, managers, students, and our space education experts to discuss current challenges and innovative solutions for Increasing Student Interest and Engagement in Space Exploration.

This event will offer teachers a first-hand opportunity to learn about how space exploration in the curriculum is important in early childhood education and beyond

### **CONFERENCE OBJECTIVES**

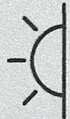
- Participants will gain an understanding of the skills that can be taught to students that translate to future real-world career success in space. These include space engineering concepts, and teamwork capabilities, as well as interpersonal skills like service, communication, leadership, and civic engagement.
- Teachers will understand how to introduce new space-based lessons directly in classroom settings to impact an even greater number of students.
- Administrators and education officials will learn how to introduce career planning to parents and students that will impact the space pipeline when students choose space as a major.
- Participants will gain skills that translate to future real-world career success in space. These include space preparedness and teamwork capabilities as well as interpersonal skills like service, communication, leadership, and civic engagement.

### **CONFERENCE AIM**

The teachers and students need to know and understand what the Space Science Sector is and the career opportunities it offers. "Space" does not mean they have to be an Astronaut. The impressive development of Space Applications gives immense opportunities to those who study IT, Agronomy, Biology, Chemistry, Nutrition, Geography, Medicine, Law, Management, Communications, Electronics, Physics, and so on



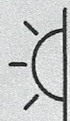
## INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE



### DAY 1

Who should attend? -Teachers, Principals, Ministry of Education, Ministry of science and technology officials' and Space Agency representatives

- 08:30** Arrival breakfast  
Welcome and Introductions
- 09:00** Why Space Exploration Matters
- 09:30** How to Integrate Space Projects into Your Classroom?
- 10:00** How to Organize a Space Career Day at Your School?
- 10:30** How to interest & Inspire students to make careers in the space sector
- 11:00** Coffee/Tea Break
- 11:15** How Do Children Learn About Space, & What Their Conceptions of Space Exploration Are?
- 11:45** Data at Your Fingertips: The Use of Citizen Science in A Variety of Classroom Contexts
- 12:15** Improvement of Girls' Auto Confidence in Stem Areas Since Early Childhood
- 12:45** Use of Model Satellite-CanSat in Applied Teaching of Satellite Technology
- 13:15** Lunch
- 13:45** Teaching Coding and Cybersecurity Using Robotics
- 14:15** Robotics Use in Middle Grade
- 14:45** How Engineering or Robotics meets student standards
- 15:15** Snack Break
- 15:45** "Build Your Own" Hands-On Stem Projects
- 16:15** End Of Conference



### DAY 2

- 08:30** Arrival breakfast
- 09:00** Entrepreneurship and Aerospace
- 09:30** Space economy: prospects and challenges
- 10:00** Why is space so important?
- 10:30** How to strengthen the link between space and society through public education, participation and dialogue
- 11:00** Coffee/Tea Break
- 11:15** Space Scholarships, internships, and more
- 11:45** World View Presentation
- 12:15** Micro Aerospace Presentation
- 12:45** Masten Presentation
- 13:15** Lunch
- 14:00** Policies and strategies (Panel discussion)  
National policies and strategies  
Regional cooperation  
Multi-stakeholder initiatives  
International collaboration and cooperation
- 15:00** Using space to promote the UN Sustainability Development Goals
- 15:30** Space and Sustainability
- 16:00** Snack Break
- 16:15** White paper discussion
- 17:00** End Of Conference





## INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE



Who should attend? Students, Teachers & career guidance counselors

### TOPICS:

#### 09:00 HUMAN SPACE FLIGHT

##### SPACE CAREERS

Introduction to the immense career opportunities the space sector offers

##### ROCKET SCIENCE

Intro to Rocket Science and Technology

How does a Rocket Fly?

How do I become a Rocket Scientist?

##### SATELLITE SCIENCE

Introduction to Satellite Technology

How do we Launch a Satellite?

How do I become a satellite engineer?

##### ASTRONOMY

What is Astronomy?

The Universe and its Formation

Galaxies and Stars

How do I become an Astronomer?

#### 13:00 LUNCH

##### ASTROBIOLOGY

What is Astrobiology?

Life and Its Origin & Distant Worlds!

How do I become an Astrobiologist?

##### SPACE ROBOTICS

Intro to Space Robotics

Key technologies in Robotics and AI for space

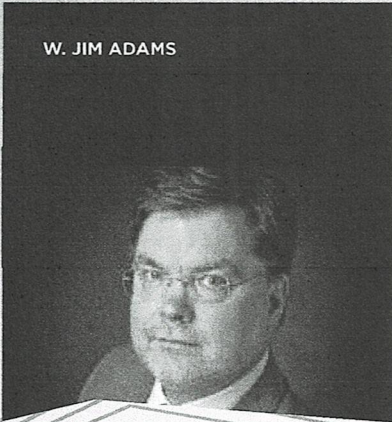
Current and future space missions and opportunities

16:00 End of Conference

# INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE

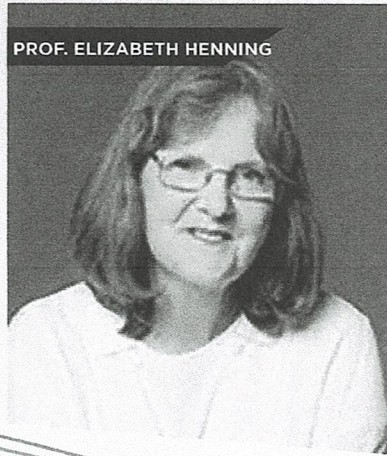
## SPEAKERS

W. JIM ADAMS



CEO, Jim-Adams World SA (Pty) Ltd.  
NASA Deputy Chief Technologist, Retired  
Keynote Speaker

PROF. ELIZABETH HENNING



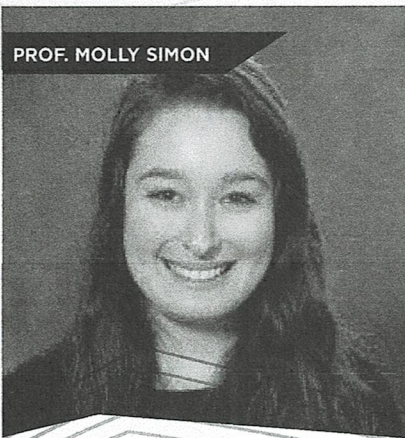
Professor of Educational Linguistics  
Department of Childhood Education  
University of Johannesburg

RUVIMBO SAMANG



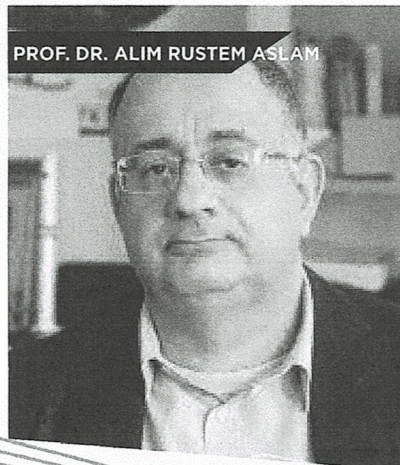
CNN Women Shaping African Space  
Space Law & Policy Analyst  
Top 10 Under 30 African Space Industry  
CEO-Founder  
AgriSpace

PROF. MOLLY SIMON



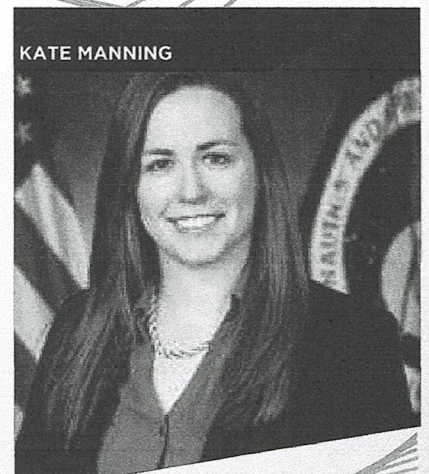
Assistant Professor  
School of Earth and Space Exploration  
Arizona State University

PROF. DR. ALIM RUSTEM ASLAM



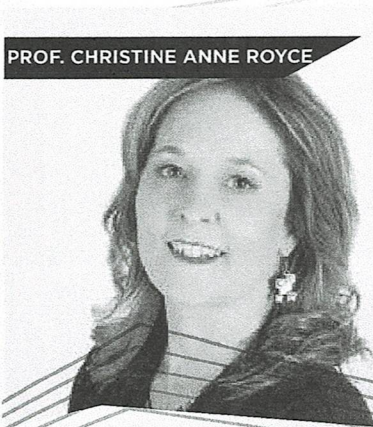
Professor of Aerospace Engineering  
Manager, Space Systems Design and Test Lab  
Dept. of Astronautical Engineering  
Faculty of Aeronautics and Astronautics  
Istanbul Technical University

KATE MANNING



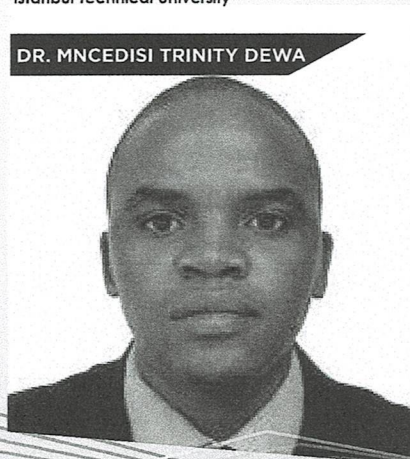
SCaN Communications Specialist  
NASA

PROF. CHRISTINE ANNE ROYCE



Past President (18-19), National Science  
Teaching Association  
Professor of Teacher Education and  
Co-Director of MAT in STEM Education  
Shippensburg University

DR. MNCEDISI TRINITY DEWA



Senior Lecturer - Industrial Engineering  
School of Mechanical, Industrial and  
Aeronautical Engineering  
University of the Witwatersrand

HIROKO TSUZUKI



Administrator for the Space Education Center  
Japan Aerospace Exploration Agency

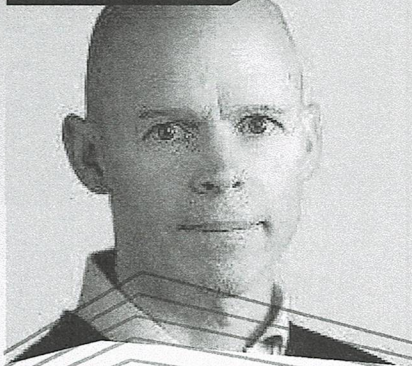


FASESA  
EUROPEAN ASSOCIATION OF SPACE EDUCATORS & STEM LEADERS

# INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE

## SPEAKERS

MIKE CASSIDY



VP of Product Development  
Project Leader on Project Loon  
Astra

PROF. ILEANA MARIA GRECA



Director of a Consolidated Research  
Unit in the area of Education  
University of Burgos

DR. GORDON FARQUHARSON



Director of Radar Systems  
Capella Space

MATTHEW VOSS



Chief Operation Officer  
NearSpace Launch, INC

DR. TIMOTHY LIVENGOOD



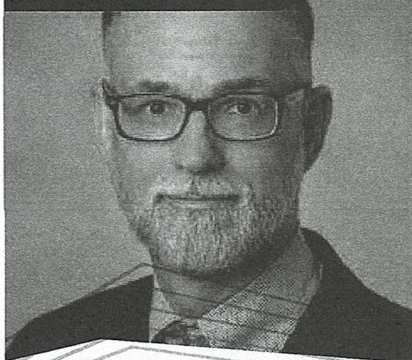
Research Scientist  
Center for Research in Earth and Space  
Science and Technology  
NASA Goddard Space Flight Center

ZIED TAYEB



Founder  
Neurorobotics Researcher  
NASA iTech Innovator  
NeuroTech & Space Robotics  
Myellins

PROF. DANTE LAURETTA



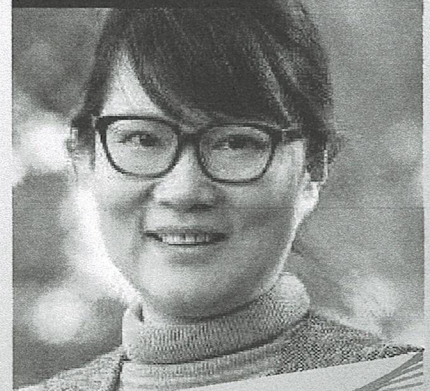
Regents Professor, Lunar and Planetary  
Laboratory  
Principal Investigator, OSIRIS-REx Asteroid  
Sample Return Mission  
University of Arizona

DR. CHRISTINA CARMEN



Founder and CEO  
The Talon Company

PROF. YANG GAO



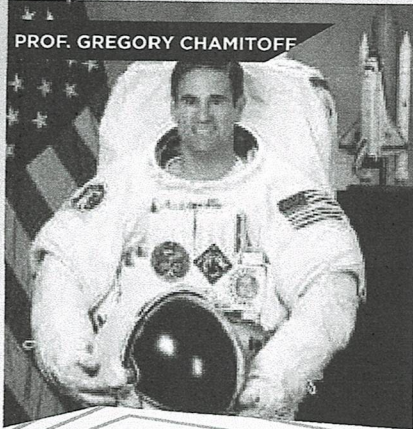
Professor of Space Autonomous Systems;  
Wiley JFR Editor-in-Chief, United Nations  
Space4Women Mentor  
Surrey Space Centre,  
University of Surrey



# INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE

## SPEAKERS

**PROF. GREGORY CHAMITOFF**



Former NASA Astronaut  
Space Station Flight Controller  
Aerospace Engineer  
Professor of Engineering Practice, Aerospace Engineering  
Director, AeroSpace Technology, Research & Operations (ASTRO)

**PROF. OLGA KOSHELEVA**



Co-Chair Department of Teacher Education,  
Director STEM Education Division –  
The University of Texas at El Paso

**PILAR GONZALEZ**



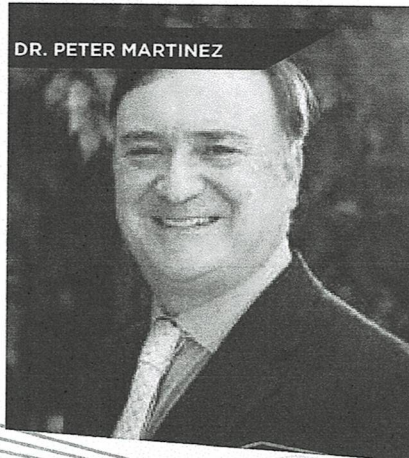
Doctoral student in the STEM strand of the Teaching,  
Learning, and Culture  
University of Texas at El Paso (UTEP)

**ZUKISA MAJOLA**



Deputy Director: Space Science and Tech  
Department of Science and Technology South Africa

**DR. PETER MARTINEZ**



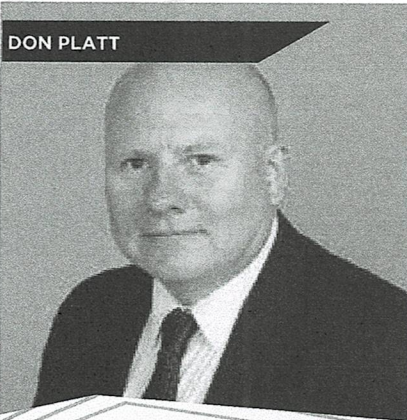
Executive Director,  
The Secure World Foundation

**MARCELLO BARTOLINI**



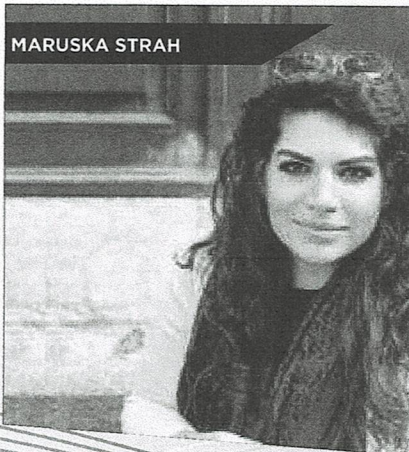
Head of Engineering,  
Dragonfly Aerospace

**DON PLATT**



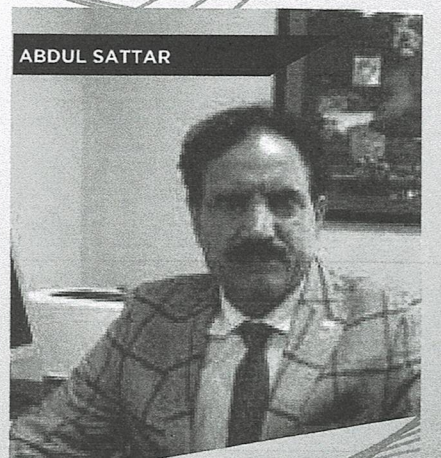
Owner,  
Micro Aerospace Solutions and Defense &  
Space Consultant

**MARUSKA STRAH**



Executive Director  
World Space Week Association

**ABDUL SATTAR**



Project Director  
National Curriculum Development on Space Science  
Project



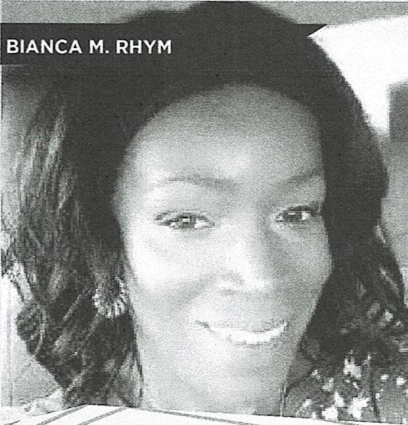
**FASESA**

FUTURE THROUGH SPACE EXPLORATION & EDUCATION

# INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE

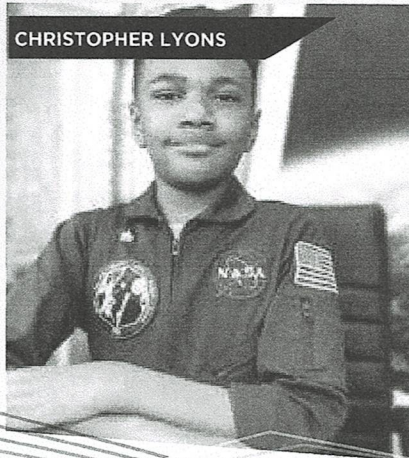
## SPEAKERS

BIANCA M. RHYM



Electronics Engineer  
NASA

CHRISTOPHER LYONS



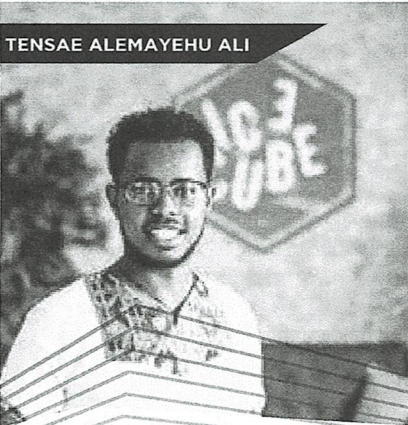
Aspiring Astronaut & Advocate for Space  
Founder of Operation Orbit Foundation  
2022 Mars City Design USA Youth Ambassador

IRENE BENITO



Senior Manager for European Affairs  
Planet

TENSAE ALEMAYEHU ALI



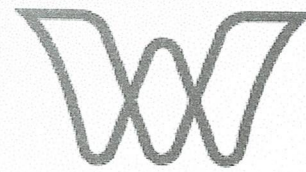
Regional Coordinator for Africa  
Tensae Alemayehu Ali



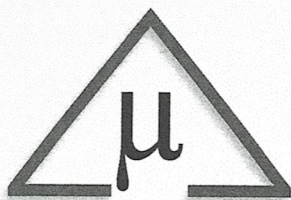
FASESA  
FUTURE AFRICAN SPACE EDUCATION & RESEARCH

INCREASING STUDENT  
INTEREST AND ENGAGEMENT  
IN SPACE EXPLORATION  
CONFERENCE

SPONSORS



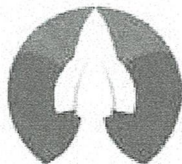
WORLD VIEW.



MICRO AEROSPACE SOLUTIONS



ASTRALINTU  
SPACE TECHNOLOGIES



INSTITUTE OF  
SPACE COMMERCE

SATREV 



FASESA

TURKISH AEROSPACE SPACE EXPLORATION STUDY ACADEMY

# FASESA

FUTURE AFRICAN SPACE EXPLORER'S STEM ACADEMY



## INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE

BRINGING SPACE INTO THE CLASSROOM AS A GATEWAY TO STEM

### REGISTRATION FEES

#### Secondary/High Schools



IN PERSON		VIRTUAL	
3 CONFERENCE TICKETS	☑	5 CONFERENCE TICKETS	☑
FREE BREAKFAST, LUNCH & SNACK	☑	FREE BREAKFAST, LUNCH & SNACK	
EASY ACCESS	☑	EASY ACCESS	☑
CERTIFICATE	☑	CERTIFICATE	☑
STUDENTS ATTEND DAY 3 FOR FEE (VIRTUALLY)	☑	STUDENTS ATTEND DAY 3 FOR FEE (VIRTUALLY)	
<b>R 8 000</b>		<b>R 5 000</b>	

### REGISTRATION FEES

#### Universities, Private & Government Institutions



IN PERSON		VIRTUAL	
2 CONFERENCE TICKETS	☑	4 CONFERENCE TICKETS	☑
FREE BREAKFAST, LUNCH & SNACK	☑	FREE BREAKFAST, LUNCH & SNACK	
EASY ACCESS	☑	EASY ACCESS	☑
CERTIFICATE	☑	CERTIFICATE	☑
STUDENTS ATTEND DAY 3 FOR FEE (VIRTUALLY)		STUDENTS ATTEND DAY 3 FOR FEE (VIRTUALLY)	
<b>R 12 000</b>		<b>R 8 000</b>	

# FASESA

FUTURE AFRICAN SPACE EXPLORER'S STEM ACADEMY



## INCREASING STUDENT INTEREST AND ENGAGEMENT IN SPACE EXPLORATION CONFERENCE

BRINGING SPACE INTO THE CLASSROOM AS A GATEWAY TO STEM



### COMPANY DETAILS

COMPANY : \_\_\_\_\_  
ADDRESS : \_\_\_\_\_  
CITY : \_\_\_\_\_  
PHONE : \_\_\_\_\_



### DELEGATE DETAILS

Note: Please provide information as you wish to appear on your name badge and certificate of attendance.

1. FULL NAMES : \_\_\_\_\_  
DESIGNATION : \_\_\_\_\_  
EMAIL : \_\_\_\_\_
2. FULL NAMES : \_\_\_\_\_  
DESIGNATION : \_\_\_\_\_  
EMAIL : \_\_\_\_\_
3. FULL NAMES : \_\_\_\_\_  
DESIGNATION : \_\_\_\_\_  
EMAIL : \_\_\_\_\_
4. FULL NAMES : \_\_\_\_\_  
DESIGNATION : \_\_\_\_\_  
EMAIL : \_\_\_\_\_

### TERMS AND CONDITIONS

By Completing this Registration form the delegates accept the terms and conditions as stated on the form.

1. Full Payment must be received prior to the event date. Alintacorp reserves the right to refuse entry into the event should full payment not have been received prior to this date. Cancellation will be charged under the term set out below.
2. Cancellations, No shows & Substitutions: Cancellations received in writing more than 21 days prior to the event being held carry a 50% cancellation fee. Should cancellations be received between 21 days and the date of the event, the full event fee is payable and non – refundable. Non- payment or non-attendance does not constitute cancellation. No show will be charged the full registration fee. Cash alternatives will not be offered, however, substitutes at no extra charge are welcome.
3. Alterations to advertised package: FASESA reserves the right to alter this programme without notice or penalty and in such situations no refunds or part – refunds or alternative offer will be made. Should FASESA permanently cancel an event, for any reason whatsoever, the Client shall be provided with a credit voucher of the equivalent amount paid towards the cancelled event. In the case of a postponed or cancelled event, Fasesa will not be responsible for covering airfare, accommodation, or other travel cost incurred by Clients.
4. Copyright: All intellectual property rights in the materials distributed by FASESA in connection with this event are expressly reserved and any unauthorized duplication, publication or distribution is prohibited.

### METHOD OF PAYMENT : BANK TRANSFER

**OUR BANKING DETAILS:**  
NAME: Alintacorp t/a FASESA  
BANK: STANDARD BANK  
A/C: 221500766

BRANCH: 001255  
SWIFT CODE: SBZAJJ  
Quoting Invoice number as reference