

2017

Southern Hemisphere Space Studies Program

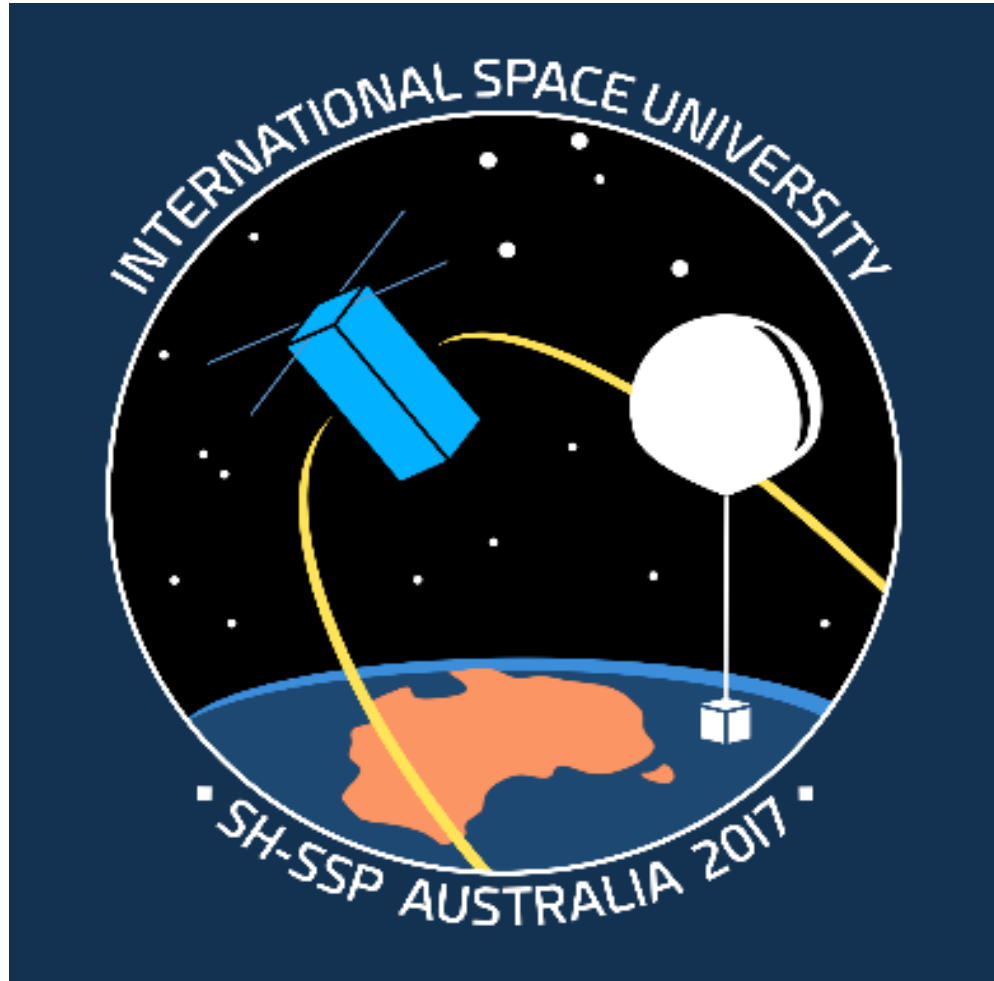


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Intensive, Interdisciplinary, Live-in
Program for Professionals, Graduates
and Senior Undergraduates

Overview



Course

White paper

The 3 'I's

Interdisciplinary

International

Intercultural

Interdisciplinary

Space science and exploration

Space applications and services

Space security

Human spaceflight and life sciences

Space systems engineering and technologies

Space policy and economics

Space business and project management

Space law and regulatory issues and

Space entrepreneurship and innovation



International

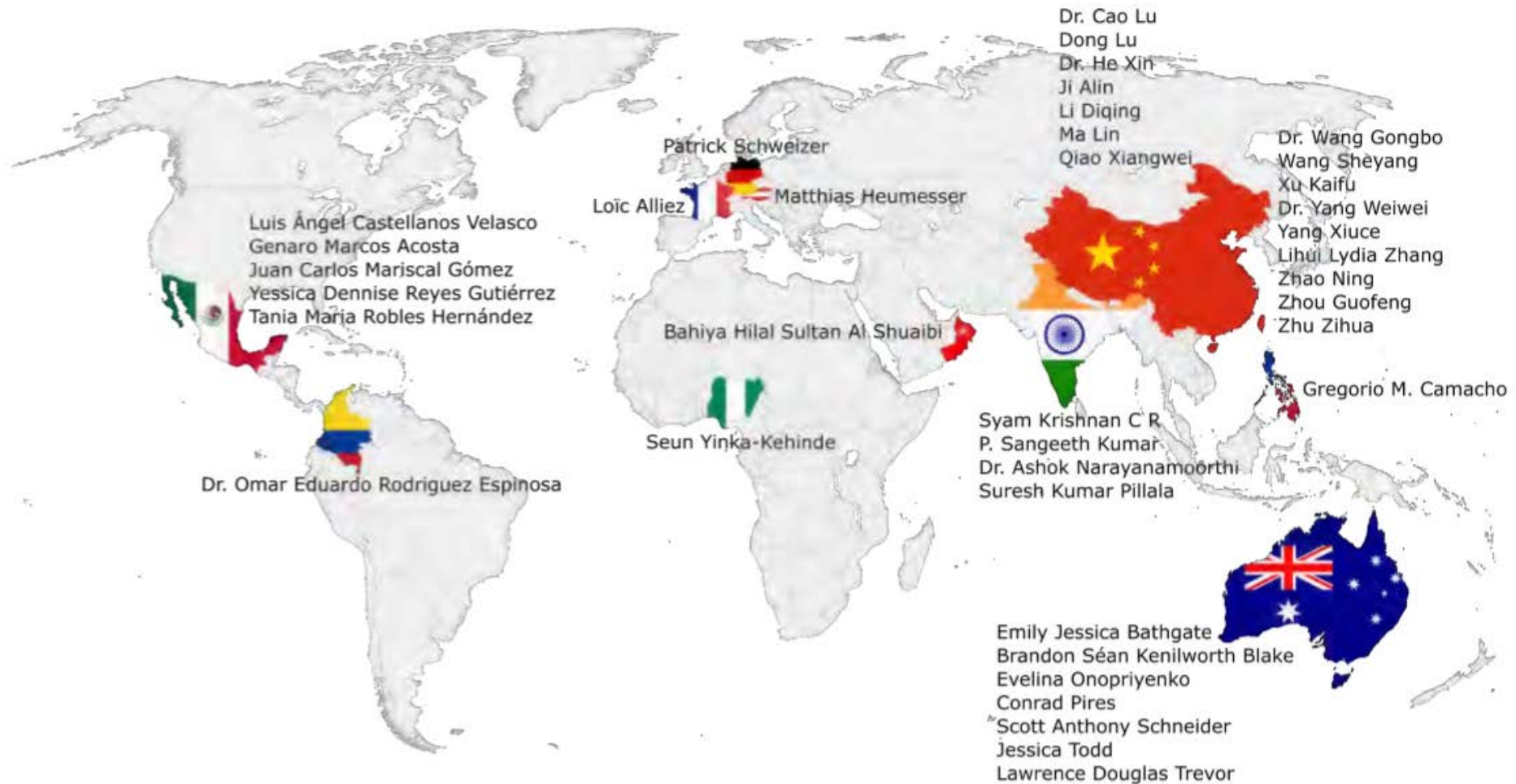
4200+ alumni

100+ countries

30 years

Intercultural

Participants of the Southern Hemisphere Space Studies Program Program 2017





SMALL SATS BIG SHIFT

RECOMMENDATIONS FOR THE GLOBAL SOUTH



2017
White Paper
Southern Hemisphere
Space Studies Program





小卫星·大变革

对全球南方国家的行动建议



2017年
执行摘要
国际空间大学南半球暑期培训班



White Paper

Our Mission

To demonstrate how nations of the Global South
can leverage the small satellite revolution
for their socio-economic benefit

Global South



Issues of the Global South

National Security



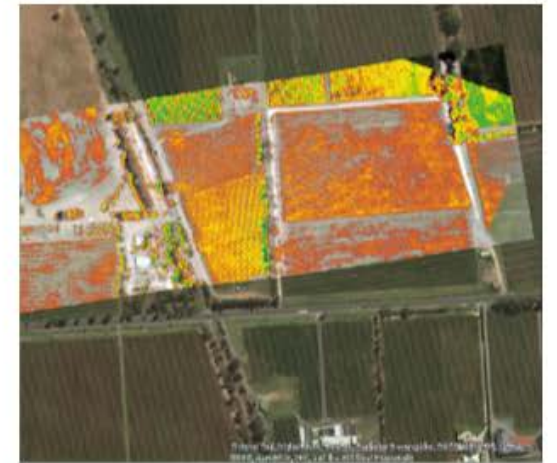
Crisis Management



Telecommunications



Resource Management



Case Studies

1. Balloon Launches for Resources Management
2. Fleet Space and the Internet of Things
3. Mexico and the Emerging Space Nation
4. Microsatellites for Disaster Management in the Philippines
5. Government use of Small Satellites for Security

High Altitude Balloon



Four Recommendations

Recommendation 1

Policy Considerations:

Emerging space nations need to position themselves, from a policy and governance standpoint, to maximize the engagement of their nation and region with the global space community.

Recommendation 2

Education Sector:

Educational institutions are the backbone of the age of innovation and are responsible for preparing a sustainable and agile workforce to meet future challenges.

Academic stakeholders need to engage students at all levels of their institution and provide the means for cutting-edge technology development.

Recommendation 3

Government Sector:

A nation's government is the binding force between all stakeholders, and bears the responsibility to lead with directed and considered planning.

Governments need to focus on how they can promote synergy with industry and academia for socio-economic benefit.

Recommendation 4

Private Sector:

Players in the private sector are the global demonstrators of how the technologies of the modern age can be used for social and economic benefit.

Private companies need to engage in markets that will stimulate the next iteration of the Small Satellite Revolution.



Course Information

<http://shssp.education/>

White Paper Download

http://shssp.education/2017/whitepaper/ISU-UniSA_SHSSP_WhitePaper_Smallats_8Feb2017.pdf

White Paper Presentation

<http://youtu.be/AZ46gT6tCWY>