Student Session Overview

“Gender Equality in the Space Field”

6th UNISEC-Global Meeting

Alice Pellegrino
UNISEC-Italy

ISU, Strasbourg, France, Nov 21, 2018
Student Session Overview

Schedule and Instruction
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- **Theme**: “Gender Equality in the Space Field”
- **Moderator**: Alice Pellegrino, Sapienza University of Rome (UNISEC Italy)

- **Timeline**:
  - 12.50-13.05 Introduction
  - 13.05-13.35 Guest Presentations
  - 13.35-14.05 Break-out Session
  - 14.05-14.25 Coffee/Tea Break
  - 14.25-15.20 Panel Discussion
**Theme**: “Gender Equality in the Space Field”

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**Kyoko Oribe from**
IHI AEROSPACE Co., Ltd.

**Norilmi Amilia Ismail**
University Sains Malaysia (USM)
# Schedule and Instruction

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## Instruction:

- **Creation of several Discussion Group** (8-10 members) to talk about the proposed topic and propose actions and suggestion to face the Gender Gap problem in STEM/Space fields
- **A brief summary** (proposals, sentences, comments, etc.) **shall be sent by any Discussion Group to:**

  uniglo6.studentsession@gmail.com
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Introduction
Gender Equality: a challenge at worldwide level

• **1903 and 1911**: Marie Skłodowska Curie (1867-1934) is the only one woman who won two Nobel Prizes in two fields related to **scientific disciplines** (Physics and Chemistry)
Gender Equality: a challenge at worldwide level

- **1903 and 1911:** Marie Skłodowska Curie (1867-1934) is the only one woman who won two Nobel Prizes in two fields related to scientific disciplines (Physics and Chemistry).

Only 3% of Nobel Prize’s winners in Physics, Chemistry or Medicine are women.

- During the 21st century, the amount of women winning the Nobel Prize in scientific areas is 6% (4% more with respect of numbers of 20th century).
Advances in STEM affect many aspects of life and the STEM fields are becoming increasingly important year by year.

The lack of STEM-skilled labour can potentially constrain the European economic growth in the future and compromising the European role at worldwide level.

STEM fields are male dominated:

- Women account for 24% of science and engineering professionals
- In 2012, only 12.6% of female university graduates majored in STEM-related subjects in Europe
Gender Equality: a challenge at worldwide level

Gender Gap Overview

- Traditional gender roles and stereotypes
- Very little attention in providing support to find the proper balance between care responsibilities and work

Statistics proved that they are losing interested between 16 and 18 years old

It represents not merely an education or government or industry problem, but a societal problem.
Gender Equality: a challenge at worldwide level

• Statistics prove that women dedicate more time to their studies if compared to their male colleagues, but they have less chance to get a job in the same field.

• The differences between the working conditions between women and men increase with age because maternity affects their salary and career possibility.

• Women are under-represented in leadership positions in both public and private sectors.

• A huge wage gap exists for employees in the STEM areas.

2015: The Council of European Union promoted the implementation of activities to reach gender equality within 2020.
Gender Equality: a challenge at worldwide level

• Specific legal initiatives to facilitate a proactive support for women

• Promotion of gender equality laws within the EU context (equal quotas of men and women – at least 40% - in senior management functions, administration field, research organizations and universities)

• According to Wyser Observatory, five steps towards the gender equality in the industrial context exist:

Conciliate private life and work → Flexible working hours → Stronger technological approach and training

Impartiality in selections → Support in the post-natal period
Student Session Overview

Highlights from organizations active in the space field
“By the end of 2020, let’s create a world where university students can participate in practical space projects in more than 100 countries”
Diversity among the UNISEC-Global Point of Contacts (POC)

- Male POC (80%)
- Female POC (20%)
Gender Diversity at SGAC
15,000+ Members and Alumni
6 Regions
150 Countries
Diversity at SGAC

- 31% of the whole SGAC network
- 40% of the average attendance at SGAC events
- 40% in Leadership Positions within SGAC
- 60%
WIA-E ha the main aim to support and encourage **women in the Aerospace Community** to **acquire visibility and improve their leadership attitude** at international level.
WIA-E LG in Rome was founded in 2013

- WIA-E Rome is one of the WIA-E eleven Local Groups
- It currently includes around **100 members** (92% of women linked to the space sector)

WIA-E established a **collaboration with UNOOSA to support the “Space for Women” project**
June 7, 2018: WIA-E in Rome and APRE (Agency for the Promotion of European Research) organized an event to highlight the importance of gender equality, with a special focus on Space.

Presentation at the IAC 2018 in Bremen (Germany) of the “Gender Equality in the Italian Space sector: a study case of the WIA Rome Local Group” Paper written by part of the Rome WIA-E members
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Questions?

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