

## LASCAS Program: About WiCAS

The objective of the WiCAS 2023 event was to get different opinions and perspectives about the professional development of women in the circuit and system area.

### DETAILED PROGRAM

The session title of the event was “**Women in engineering: Mentoring and Professional Development**”, held on Wednesday, 1st, 2023, from 15h30 to 17h30 and next, a social event was held from 17h30 to 18h30.

Three of the four invited speakers participated in the event since Andrea Jurado, one of the speakers, had a last-minute problem and was unable to attend the event.

The audience learned about the professional development, faced challenges and achievements of each panelist.

The speakers' names who participated in the event are:



**Alexandra Zimpeck.** She received a Computer Engineering degree in 2013 from the Federal University of Rio Grande (FURG), Rio Grande, Brazil, and a master's degree in computer science in 2016 from the Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil. She received a Ph.D. degree in Computer Science from the Federal University of Rio Grande do Sul (UFRGS), Porto Alegre, Brazil, and a Ph.D. degree in Micro and Nano Systems from Toulouse University, Toulouse, France, 2019. She develops research in the areas of microelectronics, nanotechnology, embedded systems, and artificial intelligence, focusing on reliability topics such as the investigation and mitigation of process variability effects and radiation-induced soft.



**Gabriela Méndez-Jerónimo.** She received the B.S. degree in electronics from the Instituto Tecnológico de San Luis Potosí México, in 2012, and the M.Sc. and Ph.D. degrees in electronics from INAOE, Puebla, Mexico, in 2014 and 2018, respectively. In 2016, she was an Intern with the BEOL Process Integration Group, imec, Leuven, Belgium, where she was involved with the Nano-Interconnect Program. From 2019 to 2021 she was part of the

electrical department team of the Polytechnique Montréal in Montreal, Canada as postdoctoral fellow. Currently, she is working as a postdoctoral researcher with the electronics and communications group at the Center for Scientific Research and Higher Education at Ensenada (CICESE) in Baja California, México.



**Andrea C. Landázuri.** She is a Professor and Researcher at the Department of Chemical Engineering at Universidad San Francisco de Quito USFQ (Universidad San Francisco de Quito). She has been the Co-director and founder of the Applied Circular Engineering and Simulation Research Group, GICAS since 2018. She received a master's degree in chemical engineering from the University of Arizona, and in 2016 she obtained a Ph.D. degree in Chemical Engineering with a minor in Environmental Engineering from the same University. At GICAS, she promotes the sustainable development of processes and products for applications related to the environment, second generation biorefinery, cosmetics, advanced materials, electronics, veterinary, biomedicine, food, among others. She has more than 15 years of experience in scientific research and has more than 30 international publications aimed towards Green Process Engineering through creativity, innovation, multi, inter and transdisciplinary work, supported by practice, modeling and simulation.

For the first part of the session from 15h30 to 17h30, the moderator Eliana Acurio introduced each panelist and each one had 15 minutes to introduce themselves and their topic according to the title of the event.

Following the introduction, a question and discussion section was held. In The first instance the moderator began to ask certain questions to the speakers; the questions were made before the event, but not all the questions were asked since the objective was that the audience could feel confident to ask the panelists questions without fear.

The questions made before the event were categorized into general questions and possible questions directly to a certain panelist:

### **General Questions**

1. What advice or recommendations would you give to students and new professionals?
2. What would you have wanted to know when you graduated from university that is now useful to you?
3. What advice would you give your past self?
4. What have been the biggest lessons you have learned?
5. What do you consider your greatest achievement and why?

6. Where do you think the field in your work is heading?

**Andrea Landazuri**

- 7. How have you managed to organize your life as a mother and a scientist?
- 8. As we know in Ecuador maternity leave is very short once you give birth, how did you deal with this event?
- 9. Did you have to stop working for a long time to take care of your children?
- 10. What factors do you consider important to be successful?
- 11. Would you change something or do something different in your professional career?

**Alexandra LACKMANN**

- 12. Are there challenges for a female engineer that works at a university?
- 13. Do you know if there are gender pay gaps when working at a university?
- 14. Have you experienced any challenge as a female scientist/engineer?
- 15. What things can be done to have more women working in the CAS area?

**Gabriela Méndez**

- 16. What experiences do you consider have been the most significant in your life, the ones that have marked you the most?
- 17. How can society help to have more women in engineering?
- 18. What would you say to a young woman that is considering studying a career in engineering?

**Photographs of this part of the event are at the end of the report.**

From 17h30 to 18:30 a social event was held where the speakers and the audience shared a cocktail and talked to each other.

**Timetable:**

From 15h30 to 17h30

Speakers' presentation and introduction	55 minutes
Question and discussion	55 minutes

From 17h30 to 18h30

Social event	60 minutes
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## BUDGET FOR WICAS EVENT

These tables indicate the event expenses.

<b>Alexandra Lackman</b>					
Description	Quantity	Unit price	Subtotal price	Taxes	Total
Accommodation	6	90	540	118.8	658.8
Food	3	34	102	22.44	124.44
Flight tickets	1				1132.24
Coctel	1	22	22	4.84	26.84
LASCAS registration	1				500
<b>TOTAL</b>					<b>2442.32</b>

<b>Gabriela Mendez Jerónimo</b>					
Description	Quantity	Unit price	Subtotal price	Taxes	Total
Accommodation	5	90	450	99	549
Food	3	34	102	22.44	124.44
Flight tickets	1				1073.46
Coctel	1	22	22	4.84	26.84
LASCAS registration	1				500
<b>TOTAL</b>					<b>2273.74</b>

<b>Andrea Landázuri</b>					
Description	Quantity	Unit price	Subtotal price	Taxes	Total
Coctel	1	22	22	4.84	26.84
<b>TOTAL</b>					<b>26.84</b>

<b>Eliana Acurio</b>					
Description	Quantity	Unit price	Subtotal price	Taxes	Total
Food	3	34	102	22.44	124.44
Coctel	1	22	22	4.84	26.84
LASCAS registration	1				500
<b>TOTAL</b>					<b>651.28</b>

<b>TOTAL EVENT</b>					<b>5394.18</b>
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## CONCLUSIONS

- The event allowed the creation of an environment of trust between the panelists and the attendees to share different experiences regarding the professional development of women.
- The attendees congratulated the organization of the event as it allowed them to see different perspectives and experiences of women in the CAS branch.
- The first part of the event had the objective of motivating the women in the audience and after speaking at the cocktail with some participants it was possible to appreciate that this objective was achieved.
- The forum of the second part allowed both men and women to express their opinion on how to reduce the gaps that still exist. It was a space for a lot of participation and, above all, a lot of collective learning.

## **PHOTOGRAPHS**





















