Participation of students

UFOP School of Mines

SIPS - Sustainable Industrial Processing Summit

Cebu – Philippines

UFOP

Support Our Journey to SIPS 2025

Representing Brazil at the Sustainable Industrial Processing Summit in Cebu, Philippines . Join us to highlight Brazil's innovative sustainability research on a global stage!

About SIPS 2025

The Sustainable Industrial Processing Summit (SIPS) is a leading international conference that brings together researchers, engineers, industry leaders, and policymakers from more than 80 countries to advance sustainable industrial practices.

Held from November 17-20, 2025, at the Dusit Thani Mactan Resort in Cebu, Philippines, SIPS 2025 is a platform to showcase innovative technologies and foster global collaborations for a sustainable future.

Event page link and more information : www.flogen.org/sips2025

Our Delegation

We are a team of 8 representatives from the century-old School of Mines, Federal University of Ouro Preto (UFOP), Brazil:

- 1 **Professor** : **Dr. Paulo Assis** (**DEMET/REDEMAT**)
- 4 Undergraduate Students : **Engineering (Mining, Metallurgy, Environmental)**
- 4 Postgraduate Students: **Materials Engineering (REDEMAT/FIMAT)**

Spotlight: 4 Women Researchers Promoting Diversity in Science

TECHNICAL TEAM		
Name	Institution	Status
Dimas Pereira Coura	UFOP/REDEMAT	PhD in Progress (Materials Engineering)
Braian Soares Leite Araujo	UFOP	Undergraduate Course (Minas Engineering)
Gabriela Araújo Gois	UFOP/REDEMAT	Master's Degree (Metallurgical Engineering)
Gislaine Soares Araujo	UFOP/REDEMAT	PhD in Progress (Materials Engineering)
Luiz Filipe SS Leite	UFOP	Undergraduate Course (Metallurgical Engineering)
Natalia Pimenta	UFOP/REDEMAT	PhD in Progress (Materials Engineering)
Edna Silva	UFOP/REDEMAT	Master's Degree in Progress (Metallurgical Engineering)
Denilson Gomes	UFOP/REDEMAT	PhD in Progress (Materials Engineering)
TECHNICAL TEAM UNDER RESPONSIBILITY		
Professor Paulo Santos Assis	DEMET/UFOP/REDEMAT	Leader/Advisor

Our team will present 8 cutting-edge research papers on sustainability topics, including:

- **Circular Economy**
- **Process Optimization**
- **Decarbonization in the Steel Industry**
- **Ni-Ti Alloy Processing**
- **Bioplastics Production**

These works are aligned with the UN 2030 Agenda for Sustainable Development, addressing global challenges such as climate change and resource efficiency.

Why Support Us?

By sponsoring our delegation, you will:

- ☑ **Promote Brazilian Excellence : Highlight** UFOP's **world-class** research in sustainability.
- ☑ **Support Innovation** : Support projects that transform industrial waste into **valuable resources.**
- ☑ **Empower Future Leaders: Enable young researchers, including women in science, to interact with global experts, including Nobel laureates.**
- ☑ **Your Brand** : Gain **visibility** through event **promotions** and align **with sustainable development goals** .

Research Highlights

Our approved papers **address pressing global** issues :

Name	Title
Braian Soares Leite Araujo, Prof. Paulo Santos Assis	ZERO WASTE IN HIGH SCHOOLS IN BRAZIL: A SUSTAINABLE PATH FOR EDUCATION
Dimas Pereira Coura, Prof. Paulo Santos Assis	DEVELOPMENT OF A COKE QUALITY METHOD USING A MATHEMATICAL TOOL IN INTEGRATED STEEL MILL COKING PLANTS
Gabriela Araújo Gois, Prof. Paulo Santos Assis	DEVELOPMENT OF DURABLE AUTOMOTIVE BATTERIES WITH LITHIUM-SODIUM ELECTRODES AND SELF-HEALING COATING TECHNOLOGY
Gislaine Soares Araujo, Prof. Paulo Santos Assis	SUSTAINABLE PRACTICES IN THE BRAZILIAN STEEL INDUSTRY
Luiz Filipe SS Leite, Prof. Paulo Santos Assis	ANALYSIS OF EXISTING STANDARDS AND DEFINITIONS FOR GREENER STEEL
Edna Silva, Prof. Paulo Santos Assis	REFRACTORIES CONTAINING SILICON CARBIDE (SiC): A REVIEW
Natalia Pimenta, Prof. Paulo Santos Assis	COMPARISON OF WATER CONSUMPTION IN THE PRODUCTION OF DIFFERENT INPUTS OF FOUR BRAZILIAN INDUSTRIAL SECTORS
Denilson Gomes, Prof. Paulo Santos Assis.	DEVELOPMENT OF A COKE QUALITY METHOD USING A MATHEMATICAL TOOL IN INTEGRATED STEEL MILL COKING PLANTS

Sponsorship Opportunities

Your contribution and participation guarantees the following benefits:

- **Brand Exposure:**
  - Institutional video shown during presentations.
  - Disclosure on SIPS social media.
  - Thank you page on the event website.
  - Brand visibility in plenary sessions.
- **Exclusive Training Courses** (up to 12 months):
  - Circular Economy in Metallurgy
  - Biomass and Biogas in the Steel Industry
  - Decarbonization Strategies
  - Injection of Sprayed Materials
- **Post-Event Report** : Detailed report of activities, results and thanks to sponsors, shared on social media.

Budget (**8 Students**)

Item	Cost (USD)
Enrollment	5,516.26
Hosting	2,292.29
Airline Tickets	17,695.17
Land Transportation	308.60
Total	**25,811.72**

*1 USD = R$ 5.40

Our Commitment

Led by **Dr. Paulo Assis** , our team is **dedicated to advancing sustainable** industrial processes . Your support **will expand our impact** by fostering **partnerships and driving innovation** aligned with the Paris Agreement and the SDGs .

Contact

- DSc. Paulo Assis : +55 31 9613-1979 | assis@ufop.edu.br
- Luiz Filipe SS Leite : +55 31 9219-7674 | geoartigos@gmail.com
- Braian Soares Leite Araujo : +55 31 99819-5971 | braian.araujo@aluno.ufop.edu.br

Join us in celebrating the School of Mines' 150th anniversary and building a sustainable future!
Long live the School of Mines!