



Knowledge Partners



Future Energy Leaders

Submit your entry by Oct 1st 2023!

THIS EVENT IS BROUGHT TO YOU BY BIRBA

The world needs your solutions!

Compete with global students to solve the world's toughest green hydrogen challenges

- Feature your groundbreaking work at GHSO23
- Share the stage with the world's energy leaders
- Join the future energies network
- Kickstart your career!



Through 'Future Energy Leaders', we empower the next generation to illuminate our path towards sustainable energy. We firmly believe that the vibrant minds of today hold the keys to unlocking a sustainable energy future. With innovation at their fingertips and the power of research as their guide, our young leaders are poised to redefine the boundaries of green hydrogen and beyond. Join us on this journey, as we shape the energy landscape for generations to come.



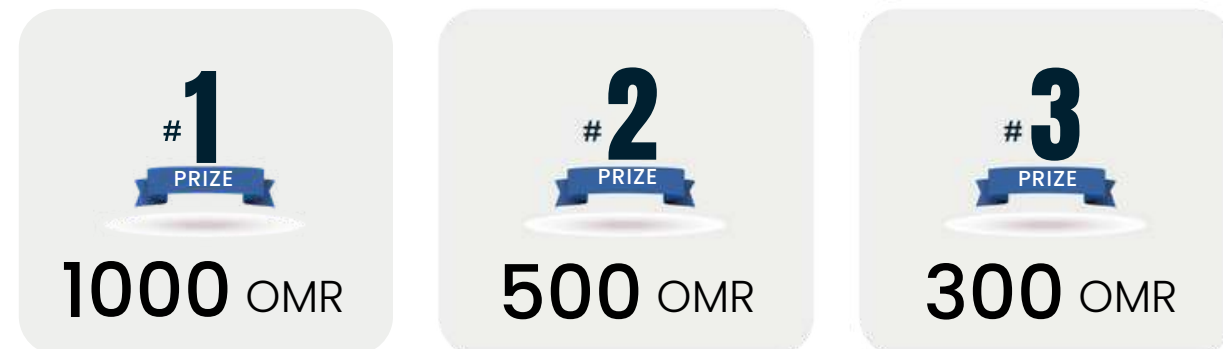
Abdulhadi Al-Saadi

Hydrogen Safety
Engineering Ulster
University

The great energy challenge

Building and scaling our future industries will require the brightest minds. Those who are prepared to think outside the box and challenge the status quo to drive us toward a more sustainable and equitable future.

The awards



- x2 award categories, Masters and Bachelors. Opportunities to pitch, network, and learn from the world's leaders in energy.
- Finalists receive certificates from the organisers.
- Finalists will be offered the chance to participate in a comprehensive workshop day dedicated to enhancing their expertise in the realm of green hydrogen.
- Finalists and winners are eligible to join the 'Future energy leaders' network / alumni.



GHSO23 Workshops day

TUES 12 DEC

OCEC

8:00 – 8:30 Registration & Opening

WELCOME

8:30–9:00

Icebreaker

For an engaging Masterclass, we will start the day with an icebreaker activity: GH2 Fact or Fiction: Each group will come up with 3 facts, two of which are true and one that is false. Each group will share their statement and the rest will guess which one is the false statement.

WORKSHOP 1

9:00–10:30

Hydrogen 101

The Green Hydrogen 101 workshop, where we'll explore the fundamentals of green hydrogen. Learn about the Hydrogen Rainbow, the production of Green Hydrogen through electrolysis using renewable energy sources. Discover its versatile applications in transportation, industry, and energy storage. Gain insights into the challenges and future potential of green hydrogen.

10:30 – 11:00 Coffee Break

WORKSHOP 2

11:00 – 12:30

Project Feasibility (Case Study)

In this in-depth session, we'll delve into the practical aspects of implementing green hydrogen projects. Using a real-life case study, we'll examine the feasibility factors, including resource availability, infrastructure requirements, GH2 Technico-economics...

12:30 – 14:00 Lunch Break

WORKSHOP 3

14:00–15:30

Green Hydrogen Certification Schemes

Certification mechanisms, challenges, and considerations for international hydrogen trade and its impact. Explore the various certification frameworks and standards that ensure the sustainability and traceability of green hydrogen production and use. Discover the key components of certification, including lifecycle analysis and carbon footprint.

WORKSHOP 4

15:30–17:00

In Country Value – Hydrogen driving a green economy

Green hydrogen offers transformative potential by generating in-country value through local production, reducing dependency on fossil fuels. This fosters job creation across the supply chain, from production to infrastructure development. Diversification is achieved by leveraging renewable resources, enhancing energy security, and paving the way for a sustainable new green economy.



Gain in-depth insights into the field of Green Hydrogen and its value chain

Connect and actively engage in practical exercises and collaborative activities with leaders from the industry. Learn from pioneers as they share their knowledge, experiences, best practices and provide cutting-edge insights.

The workshop program agenda is subject to change. For the latest program agenda

[Click here](#)

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Nurturing young minds for a brighter tomorrow

Timeline

AUG - 30	●	SUBMISSIONS OPEN
OCT - 1	●	SUBMISSIONS CLOSE
OCT - 18	●	EVALUATION OF FINAL PAPERS
OCT 20	●	TOP 10 FINALISTS ANNOUNCED
DEC - 12-13	●	PRESENTATIONS AT THE SUMMIT
DEC - 13	●	WINNERS ANNOUNCED
DEC - 15	●	FIELD VISITS

- Kickstarting careers by identifying and recognising exceptional young leaders in the energy sector.
- Showcasing innovative energy-related projects, ideas, and initiatives.
- Fostering collaboration, networking, and knowledge exchange among young energy leaders.
- Inspiring and empowering youth to become catalysts for positive change in the energy sector.
- Supporting the implementation and scaling of outstanding projects and initiatives.
- Global support, collaboration, and knowledge sharing for participants.

Future Energy Leaders – Competition

Submission guidelines

- Participants must submit their green hydrogen-related solutions in abstract form.
- The length of each abstract should be up to 500 words and a single A4 page upload with diagrams to support your abstract.
- There will be two categories: Masters and Bachelors.
- Submissions should include a clear description of the solution, its objectives, methodology, and potential impact.
- Supporting materials such as videos, presentations, or prototypes may be included to enhance the submission.

Evaluation Process

- The work showcases the participant's research and work in green hydrogen.
- A panel of judges comprising experts, industry professionals, and leaders in the energy sector will evaluate the submissions.
- Submissions will be assessed based on criteria such as innovation, impact, feasibility, and sustainability.
- The best three pieces of research will be awarded.
- The decision of the judges will be final and binding.
- In case of plagiarism, the participant will be disqualified and prohibited from future participation.

Intellectual Property

- Participants retain the intellectual property rights to their submissions.
- By participating in the contest, participants grant the organizers the right to showcase and promote their submissions for non-commercial purposes.

Awards and Recognition:

- Winners will be announced and recognized at the final event or conference.
- Prizes, grants, or opportunities for further development and support will be awarded to outstanding participants.
- All participants will receive a certificate of participation.
- Selected abstracts will be published as part of the GHSO Summit post-event reporting.

Application process

Applications for the Future Energy Leaders competition are now OPEN! You may submit your abstract on the 'Green Hydrogen Summit Website' or click the link at the top of this page.

- Applications open August 30th
- Participants must have graduated no more than two years prior to the date of submission.
- Participants can compete either as individuals or as a team of no more than five participants.
- The judging committee will review all abstract submissions.
- The abstract must include the paper's aim, research method, research objective, and outcomes.
- The subject of the abstract must be related to green hydrogen solutions that the participants have worked on and developed.
- The participant must get their supervisor's approval to submit this abstract if the solutions were not originally their concept or part of their thesis work.
- Participants must apply through the online portal.
- Complete submission Deadline: 1st of October, 2023.

For information & inquiry please email us at: info@birba.om

[SUBMIT YOUR ENTRY](#)



Meet the team



Program chair



The competitions provide a platform for out-of-the box ideas; thinking differently can transform entire industries by bridging classroom knowledge with real-world challenges, fostering innovation and problem-solving. These platforms provide hands-on experience, encouraging collaboration and networking among peers and professionals. Through competitions, emerging talents gain insights into diverse energy sectors, from sustainable technologies to policy frameworks. The competition eco-system hones skills, cultivates resilience, and nurtures leadership qualities, propelling participants into impactful careers. As these young minds push boundaries, they catalyze advancements, accelerating the global journey towards a sustainable energy future.

Dr. Sausan Al-Riyami

Director of Oman Hydrogen Centre (OHC)
German University of Technology in Oman



Program lead



Dr. Intisar Al-Busaidi

Petroleum Engineer
Sultan Qaboos University

Program Coordinators



Abdulhadi Al-Saadi

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Muzna Al Jufaili

Chemical Engineer
University of Technology and
applied sciences



Abdulaziz Al-Hashemi

Future Energy
Leaders Alumni



Alaa Al Zarafi (Program advisor)

Reservoir Navigation Services Lead
President of NYP
Ministry of Energy & Minerals

Got a question about your entry?

Please refer to the FAQ's on the 'Future energy leaders' website page as you may find the answer here...

[FAQ'S HERE](#)

Still can't find the answer?
Our team are happy to help.
Contact us team: info@birba.om

Knowledge Partners



www.greenhydrogensummitoman.com