

Renewable Energy
India Expo

CRYSTAL EDITION

28 - 30 SEPTEMBER 2022
India Expo Centre, Greater Noida

15 Years of Togetherness



Steinbeis Centre for
Technology Transfer India



GREEN HYDROGEN ENERGY ECONOMY TECHNOLOGY & TRANSITION

TRAINING WORKSHOP @ REI Expo, 29-30 Sep, India Expo Centre & Mart, Greater Noida

www.steinbeisindia.com / www.steinbeis.in

☎ +91 98662 80520 ✉ info@steinbeis.in



Export-
Akademie
Baden-
Württemberg



Steinbeis
Global
Institute
Tübingen

SGIT
Steinbeis-
University



SESI
Solar Energy Society of India
founded 1978



igof
Indo-German
Energy Forum
Support Office

PAVING THE WAY FOR THE **HYDROGEN ECONOMY**

As an alternative to fossil fuels, Hydrogen offers a huge potential as a source of clean energy. As a storage medium for renewable energies, as fuel for zero emission fuel cell vehicles, and as a base fuel for the industry – it is an important asset to bring about energy and transport transformation.

This training workshop is designed for those in manufacturing and mobility sector in commercial and strategically focused roles within the energy sector; in particular those responsible for environmental matters, business sustainability and business transformation in areas such as oil & gas, hydrogen and industrial energy usage.

The program enables participants to work successfully in hydrogen energy industry, both locally and internationally; and is suitable for those with both a basic and advanced understanding of the sector.



WHO MAY ATTEND

- ✔ Beginner for Green Hydrogen Technology
- ✔ Green Energy & Nanotechnology Researchers
- ✔ Chemical Eng. Students/ PhD Scholars
- ✔ Hydrogen Entrepreneurs
- ✔ Natural Gas Producers
- ✔ Fuel Cell Developers
- ✔ Policymakers
- ✔ Renewable Power Developers

PROGRAM PARTNERS

Steinbeis Centre for Technology Transfer, India (SCTI)

Is the network Technology Centre of Steinbeis GmbH & Co. KG for Technologies transfer (StC), headquartered in Stuttgart, Germany. Steinbeis India commercial activities are involved in knowledge and technology transfer of Steinbeis network in India. Today Steinbeis is the largest Technology Transfer organisation across the globe with more than 1200 Transfer Centre's, with 6000+ Experts doing 10,000+ Projects in Germany and another 19 countries, with turnover approximately 200 Mil Euros last year. Steinbeis India network comprises of- 39 CSIR National R&D Labs and over 10 Universities / Institutions in India and also over 10 partner organisations in various countries including Singapore, Russia, Korea, China, Latin America, Australia, Japan etc.

In the area of Hydrogen Energy, Steinbeis provides Consulting, Technology Transfer & Commercialisation, Scaling of Startups and Training Services in

- ✔ Beginner for Green Hydrogen Technology
- ✔ Green Energy & Nanotechnology Researchers
- ✔ Chemical Eng. Students/ PhD Scholars
- ✔ Hydrogen Entrepreneurs
- ✔ Natural Gas Producers
- ✔ Fuel Cell Developers
- ✔ Policymakers
- ✔ Renewable Power Developers



Export-Akademie Baden- Wurttemberg

To bring the latest knowledge into trainings and consultancy projects, the Akademie is actively involved in international research and R&D activities. For their research activities EA has been awarded with the innovation seal of the Stifterverband, Germany. In the past 20 years a significant number of feasibility studies, theoretical & empirical research, thematic workshops/seminars/webinars with a focus on green technologies were organised and successfully implemented.

SGIT Steinbeis Global Institute

Is a part of Steinbeis University Berlin which is the biggest scientific private on-profit university in Germany with more than 7000 students. As a part of 'Steinbeis Family' SGIT has access to the infrastructure and network of more than 1200 Organizations involved in the Steinbeis – Conglomerate worldwide.



PROGRAM SCHEDULE

<i>Day 1</i>	09:00 – 09:30 Hrs	Registration	
	09:30 – 11:00 Hrs	Inaugural Session	
	09:40 – 09:45 Hrs	Program Introduction	Mr. Vineet Kumar Goyal Director, Steinbeis India & Co-ordinator – Steinbeis Indo-German Hydrogen Consortium
	09:45 – 10:00 Hrs	Opportunities in the Hydrogen Energy Sector	Dr. Michael Schlick, Technical Hochschule Ulm, Core Member Fuel Cell Cluster of the State of Baden-Wrttemberg, Agency for New Mobility, Advisor Hydrogen Energy, Steinbeis India
	10:00 – 10:15 Hrs	Opportunities in Hydrogen Equipments Manufacturing and Technologies	Mr Ramesh Nakul GC Member – SESI Former Member. Central Electricity Authority
	10:15 – 10:35 Hrs	The Energy Transition – Where are we today and the way ahead – Technology Perspective	Dr. Shivani Sharma, Principal Technical consultant, Hitachi Energy India
	10:35 – 10:55 Hrs	The Global Energy Transition – How the businesses ‘energise’ twenty years from now – Business Perspective	Dr. Bertram Lohmueller, Director EABW, SGIT and DSE Green Technologies European Hydrogen Consortium
	10:55 – 11:00 Hrs	Vote of Thanks	
	11:00 – 11:15 Hrs	Tea Break	
	11:15 – 13:45 Hrs	Technical Session-1	
	11:15 – 11:45 Hrs	Introduction to Hydrogen Energy – How and why is it an important source of Energy	Dr. Bertram Lohmueller, Director EABW, SGIT and DSE Green Technologies European Hydrogen Consortium
	11:45 – 12:15 Hrs	Analysis of India Hydrogen Policy & where is it leading to?	Mr. Debasish Roy, CXO – Engineering Industry, Ex-L&T, Suzlon Energy and ABB

	12:15 – 12:45 Hrs	Hydrogen Policy in EU (Case Study) + Research and Demonstration Projects in EU – Role of Industry and Governments (Cluster approach for a successful policy implementation)	Dr. Michael Schlick, Technical Hochschule Ulm, Core Member Fuel Cell Cluster of the State of Baden-Wrttemberg, Agency for New Mobility, Advisor Hydrogen Energy, Steinbeis India
	12:45 – 13:45 Hrs	Interactive session With the Participants (Q & A)	
	13:45-14:30 Hrs	Lunch Break	
	14:30 – 17:30 Hrs	Technical Session - 2	
	14:30 – 15:30 Hrs	Complete Package for serving a local Hydrogen Market	Dr. Michael Schlick, Technical Hochschule Ulm, Core Member Fuel Cell Cluster of the State of Baden-Wrttemberg, Agency for New Mobility, Advisor Hydrogen Energy, Steinbeis India
	15:30 – 16:00 Hrs	Interactive session With the Participants	
	16:00 – 16:15 Hrs	Tea Break	
	16:15 – 17:30 Hrs	Various Hydrogen Tenders taken out by Indian Govt (Case Study, working session with the participants)	Mr. Debasish Roy, CXO – Engineering Industry, Ex-L&T, Suzlon Energy and ABB
	17:30 Hrs	End of the session	
	10:00 – 13:30 Hrs	Technical Session - 3	
	10:00 – 10:40 Hrs	Electrolyser Technology – Present Status and Research Directions	Prof Indrajit Shown, Professor, Department of Chemistry, Hindustan Institute of Technology & Science (HITS), Chennai
	10:40 – 11:15 Hrs	Social and Legal issues in implementing Hydrogen Projects – German perspective and discussion on likely issues in India	Dr. Michael Schlick, Technical Hochschule Ulm, Core Member Fuel Cell Cluster of the State of Baden-Wrttemberg, Agency for New Mobility, Advisor Hydrogen Energy, Steinbeis India, Ms. Joytsna Chaturvedi Principal Associate Maheswari & Co. Advocates & Legal Consultants
	11:15 – 11:30 Hrs	Tea Break	

	11:30 – 12:15 Hrs	Opportunity for Indian Businesses including SMEs – Hydrogen Generation, Storage and Distribution	Mr. Debasish Roy, CXO – Engineering Industry, Ex-L&T, Suzlon Energy and ABB
	12:15 – 12:45 Hrs	Safety Issues in Generation, Storage and Distribution of Hydrogen	Dr. Chitra Rajagopal, Hydrogen Centre of Excellence, Indian Institute of Technology Delhi
	12:45 – 13:30 Hrs	Q&A Panel Discussion How to start the market, apply and build the technologies	Bertram, Schlick, Debashish
	13:30 – 14:15 Hrs	Lunch Break	
	14:15 – 17:30 Hrs	Technical Session - 4	
	14:15 – 15:15 Hrs	Steinbeis Global Green Hydrogen Alliance for Research and Technology Management	Dr. Bertram Lohmueller, EABW Germany and Mr. Vineet Kumar Goyal, Director Steinbeis India
	15:15 – 15:30 Hrs	Tea Break	
	15:30 – 16:00 Hrs	Techno-Economics and challenges of setting-up a Hydrogen Energy Project	Dr. Bertram Lohmueller, Director EABW, SGIT and DSE Green Technologies European Hydrogen Consortium
	16:00 – 16:30 Hrs	Potential of Power-to-X, and Hydrogen fuels for high power applications	Mr. Gurusathya Rajasekar Director – Engineering and Research, – India, Rolls-Royce Solutions
	16:30 – 17:00 Hrs	Techno-Economics and challenges of a typical Hydrogen Mobility project	Dr. Michael Schlick, Technical Hochschule Ulm, Core Member Fuel Cell Cluster of the State of Baden-Wrttemberg, Agency for New Mobility, Advisor Hydrogen Energy, Steinbeis India
	17:00 – 17:25 Hrs	Interactive session With the Participants	
	17:25 – 17:30 Hrs	Program Closure and Vote of Thanks	

Program Fees:

Fees per participants	Large Industry	Registered MSME, Government and Consultants	Researchers / Academicians from Educational Institutions / Registered Start-ups	Students
Single Participant	30000	25000	20000	15000
Two or more participants	27000	22500	18000	13500
from same Organisation				
Participation for each Technical Session	10000	7500	6000	5000

GST @ 18% extra

Sponsorship Fees:

Category / Benefits	Fees	No of Participants (complementary)	Visibility in Event Communication and at the venue / Backdrop	Database of Participants	Speaker Opportunity
Platinum	500000	5	Yes	Yes	Yes (inaugural + 1 Session)
Diamond	300000	3	Yes	No	Yes (One session)
Gold	200000	2	Yes	No	No
Silver	100000	1	Yes	No	No
Event Supported By	50000	1	Only at the website and Backdrop	No	No

GST @ 18% extra




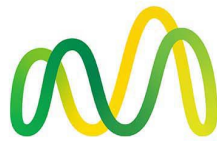
Certificate

A certificate of participation will be given to participants who have attended the program from Steinbeis.

Registration Procedure

For registration, please fill out the attached form and send it along with your brief profile to the address located under the Registration and Contact Information section.





Renewable Energy
India Expo

CRYSTAL EDITION

28 - 30 SEPTEMBER 2022

India Expo Centre, Greater Noida

15 Years of Togetherness

Contact Us

+91 9866280520

info@steinbeis.in

Steinbeis Centre for Technology Transfer India
5B White Waters, Timber Lake Colony
Rai Durg, Gachibowli
Hyderabad 500089 Telangana India