

# 14<sup>TH</sup> HYDROGEN POWER THEORETICAL AND ENGINEERING SOLUTIONS INTERNATIONAL SYMPOSIUM

ITAIPU Technological Park  
24-26 APRIL 2019

## Partners



## International board

Salvatore P. Cicconardi, Italy  
Tor. O. Saetre, Norway  
Nikolai V. Egorov, Russia  
Jochen Lehmann, Germany  
Martino Marini, Italy  
Antonio Valdés, Cuba  
Gerardo Arriaga, Mexico  
Carmen M. Rangel, Portugal  
Roldán Carlos, Costa Rica  
Javier Dufour, Spain  
Gaetano Squadrito, Italy  
Siew Hwa Chan, Singapore

## Local organising committee

Daniel Augusto Cantane, PTI  
Ricardo José Ferracin, PTI  
Flávio Ryoichi Nikkuni  
Jose Ricardo Cezar Salgado, UNILA  
Edson A. Ticianelli, IQSC-USP  
Janaina Fernandes Gomes, UFSCAR  
Tulio Matencio, UFMG  
Paulo Emilio Miranda, UFRJ  
Fabio Coral Fonseca, IPEN  
Sabrina Campagna Zignani, CNR-ITAE



Many attractions are waiting for you:

-Iguaçu Falls  
-Parque das aves  
-Marco das tres fronteiras  
-ITAIPU Binational

If you are interested in this conference and prefer to receive e-mail messages and newsletters with the Announcement & Call for papers, please contact us at [coordinator@hypothesis.ws](mailto:coordinator@hypothesis.ws) to be included in HYPOTHESIS mailing list.

## TOPICS

Hydrogen production from renewable energy sources  
Hydrogen production from conventional fossil sources  
Hydrogen production from wastes and residual biomass  
Hydrogen separation and purification  
Hydrogen storage  
Hydrogen distribution and infrastructures  
Fuel cells technologies and their applications  
Thermal and combustion technologies  
Energy storage and Power-to-gas  
Co and tri-generation devices  
Other carboneutral energy systems  
Hydrogen technologies life cycle analysis  
Economics of hydrogen based systems  
Payback of hydrogen based systems  
Energy and cost saving potentials  
Safety, standards and regulations  
Roadmaps and policies

## Message from the board

Dear Colleagues,  
as tradition, HYPOTHESIS conferences provide a forum where representatives from industry, public laboratories, universities and government agencies can meet together, discuss and show to the scientific and social communities the most recent advances in hydrogen and renewables based technologies, safety, regulations and policies. In addition to the traditional topics of Hypothesis series, the upcoming symposium will emphasize also the role of new technologies for power-to-gas and for energy recovery from any renewable source, and will stimulate discussions towards the integration of renewables with smart electric-thermal grids looking at a green world where renewables and efficient use of energy should improve the quality of life. With motto "Smart technologies for green life" we are enthusiastic to announce the XIV edition of Hydrogen - Power Theoretical and Engineering Solutions International Symposium which will be held in the unique location of ITAIPU Technological Park - Foz do Iguaçu (BRAZIL), sited on the park of the world's largest hydroelectric generator, in the city of one of the seven modern wonders of the world.

## Practical details

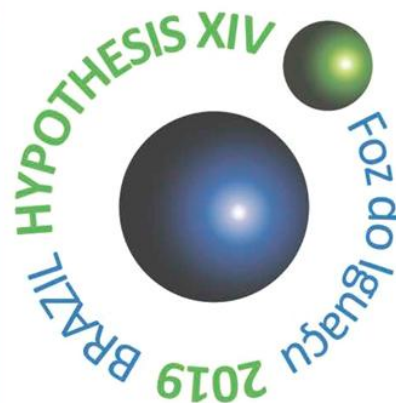
The official language will be English. Sessions will include Plenaries, Keynotes, Oral presentations and Posters. A rich social programme will be also arranged. All accepted abstracts will be published with ISBN number. Selected contributes will be invited for publication on special issues of International Journal of Hydrogen Energy (Elsevier) and Chemengineering (MDPI)

## SYMPOSIUM KEY DATES

November 30th, 2018 - Deadline for abstract submission  
January 18th, 2019 - Communication to authors  
February 15th, 2019 - Deadline for early bird registration



OFFICIAL WEBSITE: [www.hypothesis.ws](http://www.hypothesis.ws)



ITAIPU Technological Park CONVENTION CENTER

24-26 APRIL 2019

## Chaired by:

Dr. Massimiliano Lo Faro (CNR-ITAE)  
Dr. Daniel Augusto Cantane (PTI)  
Prof. Edson A. Ticianelli (USP)

## Series Chair

Prof. Giuseppe Spazzafumo (UniCas)

## Honorary Chair

Prof. T. Nejat Veziroglu (IAHE)

