



INTERNATIONAL HYDRAIL CONFERENCE



Call for Contributions

International Hydrail Conference 2018

**June 6-8, 2018
University of Rome
« Tor Vergata »
Rome – Italy**

... a must attend event!

The International Hydrail Conference 2018 (IHC 2018) objective is to contribute to the change of regime in the rail sector by providing a forum where technology experts, vehicle and rail infrastructure managers, as well as media, policy makers and other stakeholders come together to discuss ideas on hydrogen and rail transport: From the system transformation and its implications down to concrete designs and components.

IHC 2018 provides an excellent framework for updates on hydrogen and fuel cell technologies in railway applications and represents the best

setting to show the latest advances in research, projects and products in this field.

After a successful edition in Graz in 2017, the University of Rome "Tor Vergata" has taken on the organization of IHC 2018 with the objective of continuing supporting the penetration of hydrogen based solution in the railways section and to highlight any possible synergistic effect with other sectors.

IHC 2018 will be held at the School of Engineering of the University of Rome "Tor Vergata" in Rome (Italy) from the 6th to the 8th of June, 2018.

Today, about 13 years after the first conference, held in Charlotte, North Carolina (USA), IHC brings together professionals, companies, research centres, public and private institutes and decision makers from throughout the entire hydrogen and fuel cell sector and the railways world. Hence, it provides a unique forum for sharing scientific and technological information. Today, the conference topic is of particular interest: while enthusiastic experts have discussed the subject in the rather small circle by means of concepts and individual demonstrators, the last two years have shown an acceleration that is

almost as dramatic as the rail transport sector. Now a small fleet of Hydrail trams is on the road in the Caribbean. In Germany the prototypes of a complete model range are about to complete the entire European approval test and the latest announcements from China and the rest of the world signal a potential market break.

The conference will consist of plenary sessions on the most relevant aspects of technology worldwide and topical technical oral presentations and posters. Industry and research institutions will have a space to showcase and demonstrate their latest products and services on Hydrail or related fields. One of the main aims of IHC 2018 is to facilitate networking between all innovation agents in railways. Therefore, the conference will include several networking areas and multiple side events of interest.

Therefore, the International Hydrail conference is a must-attend event for the railways, hydrogen and fuel cells communities as well as for everyone interested in sustainable energy development.

IMPORTANT DATES

Abstract submission deadline:

February 19h , 2018

Abstracts acceptance notification:

February 23rd, 2018

TOPICS & THEMES

The topics to be covered by the conference communications include, but are not limited to the following:

1. Transport topics:

- Existing and New Projects Updates
- Rolling Stock Application & Technology Developments:
- Light Rail, Regional/Commuter Rail
- Heavy rail/Freight application
- Hydrogen Refueling Stations

2. Energy topics:

- Hydrogen production
- Fuel cells
- Hydrogen storage, handling and distribution
- Integration with renewable energy sources production
- Infrastructure and System Integration/Change/Planning

3. Cross-Cutting topics:

- Simulation and Modelling
- Codes and standards
- Safety, Environment and Training
- Countries strategies for sustainable transportation with a focus on rail and intermodal transport

Proposed discussion topics will be selected based on their potential to support technological advances in the area of interest for the enhancement/protection of human performance and discovery in sustainable transportation.

The International Hydrail Conferences are non-profit events held annually to expedite the contribution of post-carbon railway technology to pollution reduction and climate protection and also to alert the industry to the emerging change, avoiding stranded investment in trackside electrification.

Contribution Submission

An abstract of the proposed contribution (one page abstract and maximum 500 words) should be submitted for selection. The abstracts should summarise the key points of the contribution. A maximum of 6 keywords should be used to define the subject. Authors should write their name and indicate their affiliation (e.g. university's name, state and e-mail).

All the proposals will be reviewed by the Organizing Committee and accepted based on the relevance to the workshop themes. They will be distributed between poster sessions. Selected contributions on general topics will be asked to give a 15 minute presentation in one of the sessions.

Abstracts must be received no later than February 19 2018 to:

HydrailConference@uniroma2.it

In the opening session, the theme will be introduced and placed into a contextual framework by invited keynote addresses ; the conference will be concluded by an open panel discussion.

Further information may be found at:

<http://hydrail-conference-2018.uniroma2.it/>

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