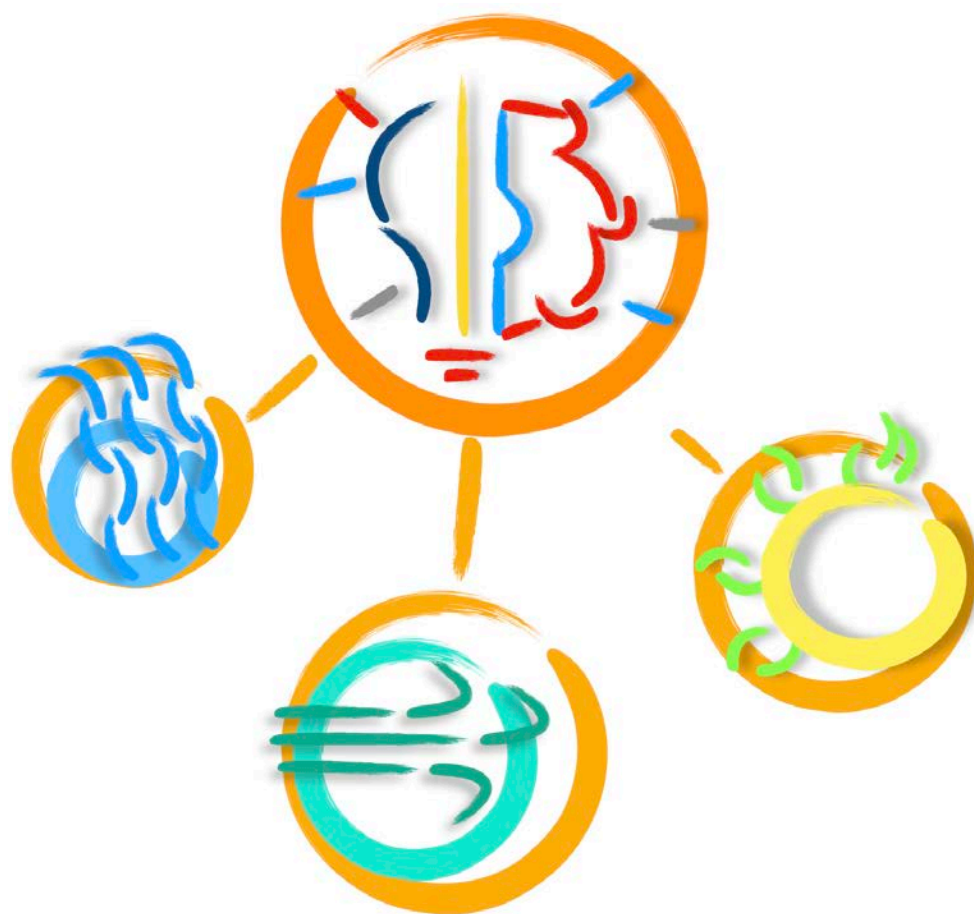


First Italian Workshop on Ammonia Energy

Florence, 31 May, 2023
Auditorium di Santa Apollonia



Associazione Sezione Italiana
del Combustion Institute
ASICI



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First Italian Workshop on Ammonia Energy



31 May, 2023

Auditorium di Santa Apollonia – Via S. Gallo 25, Florence

Ammonia Energy is emerging as a key topic towards the decarbonisation of power, heat and transportation sectors. However, “ammonia economy” still presents many open issues, spanning from ammonia synthesis to utilisation, before its deployment at different scales.

In this context, this event provides for a first Italian forum, where academics, SMEs and Industrial companies can profitably discuss “ammonia economy” open issues. The forum represents a tangible opportunity to share actors’ needs and expertise, towards the definition of common strategies to solve open issues of Ammonia Energy.

Invited-speech contributions will catalyse round-table discussions, where panelists and workshop participants will have the opportunity to proactively analyse ammonia energy open issues and define possible concrete roadmaps.

The event will be a half-day Workshop that will start on 31 May, after lunch time (around 14:30), immediately after the Joint Meeting of the Belgian and Italian Sections of The Combustion Institute.

Organizing and Scientific Committee:

Dr. Mara de Joannon (Chair), CNR-STEMS
Prof. Umberto Desideri, Università di Pisa
Dr. Giancarlo Sorrentino, CNR-STEMS / ASICI
Dr. Giovanni Cinti, Università degli Studi di Perugia
Prof. Antonio Andreini, Università di Firenze
Dr. Mario Commodo, CNR-STEMS / ASICI
Dr. Cinzia Tornatore, CNR-STEMS

Registration details:

Participation to the event is free.

Please fill the following form to attend the event:

<https://forms.gle/nso8EBkiKwBpeV5C9>

First Italian Workshop on Ammonia Energy

May 31, 2023

Auditorium di Santa Apollonia – Via S. Gallo 25, Florence

14.30 - 14.45 Welcome from Local Host & ASICI Chair

Antonio Andreini, Mario Commodo

14.45 - 15.00 Introduction

Mara de Joannon, Giancarlo Sorrentino

POWER TO AMMONIA

15.00 - 15.20 Ammonia production processes. Objectives and challenges

Umberto Desideri

15.20 - 16.15 ROUND TABLE: POWER TO AMMONIA

Moderators: Umberto Desideri, Giovanni Cinti

Casale SA, Gas and Heat, Hysytech, RINA

16.15 - 16.30 Coffee Break

AMMONIA TO POWER

16.30 - 16.45 Ammonia for heat and power. *Pino Sabia*

16.45 – 17.00 Ammonia in fuel cell technologies. *Giovanni Cinti*

17.00 - 17.15 Ammonia in Internal combustion engines. *Paolo Sementa*

17.15 - 18.15 ROUND TABLE: AMMONIA TO POWER

Moderators: Cinzia Tornatore, Antonio Andreini

Baker Hughes, Centro Combustione Ambiente, FBK, SolydEra, Tenova, University of Perugia.

18.15 - 18.30 Final Remarks