



1ST
**INTERNATIONAL
CONFERENCE ON SMART
ENERGY CARRIERS**

21–23 JANUARY 2019
NAPOLI, ITALY

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PROGRAM

Tuesday 22nd - Session III/2: Non-carbon Fuels

13:30 - 13:45	Experimental Study of Laminar Burning Velocities of Ammonia/Hydrogen/Air Mixtures at Elevated Temperatures	III-8
	<i>C. Lhuillier¹, P. Brequigny¹, F. Contino^{2,3}, C. Mounaïm-Rousselle¹</i>	
	<i>1. PRISME Laboratory, Université d'Orléans, France</i> <i>2. Thermo and fluid dynamics (FLOW), Vrije Universiteit Brussel, Belgium</i> <i>3. Combustion and Robust Optimization Joint Research Group, VUB-ULB, Brussels, Belgium</i>	
13:45 - 14:00	How to Improve Kinetic Mechanism for Hydrogen Combustion	III-9
	<i>A.A. Konnov</i>	
	<i>Division of Combustion Physics, Lund University, Sweden</i>	
14:00 - 14:15	Novel Humidified Ammonia/Hydrogen Gas Turbine Cycles	III-10
	<i>M. Guteša-Božo¹, A. Valera-Medina²</i>	
	<i>1. Termoinžinjering d.o.o., Research and Development Department, Zrenjanin, Serbia</i> <i>2. Cardiff University, United Kingdom</i>	
14:15 - 14:30	Determination of the Rate Parameters of N/H/O Elementary Reactions Based on H₂/O₂/NO_x Combustion Experiments	III-11
	<i>M. Kovács, T. Varga, C. Olm, Á. Busai, R. Pálvölgyi, I. Gy. Zsély, T. Turányi</i>	
	<i>Institute of Chemistry, ELTE Eötvös Loránd University, Budapest, Hungary</i>	
14:30 - 14:45	Experimental Investigation of Stabilization and Emission Characteristics of Ammonia/air Combustion in MILD Combustion	III-12
	<i>G. Sorrentino¹, P. Sabia², P. Bozza², R. Ragucci², M. de Joannon²</i>	
	<i>1. Dipartimento di Ingegneria Chimica, Materiali e Produzione industriale, Università Federico II Napoli, Italy</i> <i>2. Istituto di Ricerche sulla Combustione - C.N.R., Napoli, Italy</i>	