



TESSE<sup>2</sup>B Conference:  
Thermal Energy Storage Systems for Energy Efficient Buildings. An integrated solution for residential building  
energy storage by solar and geothermal resources  
3<sup>rd</sup> November 2018  
Wyndham hotel, Athens

**PROGRAMME**

9:00 – 10:00	EinB 2018 Open Ceremony	
10:00 – 10:10	Welcome from the Organisers – The Tesse2b overall vision and rationale	TEISTE Prof. Michalis Gr. Vrachopoulos CRES Dr. Constantine Karytsas, Director of RES Division, CRES
10:10 – 10:25	The TESSE2b project: Thermal Energy Storage Systems for Energy Efficient Buildings	IPS Ass. Prof. Luis Coelho
10:25 – 10:45	Development of heat exchangers and PCM tanks for heating, cooling and Domestic Hot Water (DHW)	TEISTE Assist. Prof. Maria K. Koukou, and Christos Pagkalos
10:45 – 11:00	Borehole heat exchangers(BHE) using PCM technology	GEOTEAM Mag. Heiko Gaich
11:00 – 11:30	COFFEE BREAK	
11:30 – 11:45	Solar Thermal Systems' innovative concepts for residential buildings	CRES, Theoni I. Oikonomou, Solar Thermal Systems Dept.
11:45 – 12:00	Control and monitoring system for high energy and cost efficiency	RUB, Prof. Constantinos Sourkounis and Pavlos Tourou
12:00 – 12:30	Tesse2b demonstration sites	ECOSERVEIS, Aniol Esquerra Alsius GEOTEAM, Mag.Heiko Gaich Z&X, Zenon Chrysanthou
12:30 – 12:50	Financial & Market analysis of TESSE2b solution	CRES, Dr. Olympia Polyzou & Dr. Spyridon Karytsas, Geothermal Energy Dept.
12:50 – 14:00	LUNCH	
<b>European Innovation Activities in Thermal Energy Storage</b>		
14:00-14:15	CREATE - Advanced thermal storage system based on Thermo Chemical Materials	Fenixtnt, Barbora Blaškovičová
14:15-14:30	SCORES - Self consumption of renewable energy by hybrid storage systems	Fenixtnt, Barbora Blaškovičová
14:30-14:45	E2VENT - Energy efficient ventilated facades for optimal adaptability and heat exchange	Fenixtnt, Barbora Blaškovičová
14:45-15:00	HYBUILD: Integration of energy storage systems in a heat pump	NTUA, Efstratios Varvagiannis
15:00-16:00	Discussion on Thermal Energy Storage – Prospects and future steps in European research	
16:00-16:30	COFFEE BREAK	
16:30-17:30	Discussion on Thermal Energy Storage – Prospects and future steps in European research	