

EMRP THERMO: Metrology for Thermal Protection Materials

Final Stakeholder Meeting, 12th May 2016

G15 CS4/4a, National Physical Laboratory, Teddington, UK

10.00	Arrival, Tea & Coffee	
10.15	Welcome to NPL / Introductions	<i>All</i>
10.25	Introduction to the EMRP THERMO Project	<i>NPL</i>
10.35	The state-of-the-art HTGHP for thermal conductivity measurement A brief overview of the GHP systems developed by each NMI partner for the Thermo project (5 mins presentation for each institute)	<i>LNE, NPL, MKEH, CMI</i>
11.00	Thermo Project: Assessment of high temperature thermal conductivity reference materials, inter-comparison protocols and methodology / early indications of results (if available)	<i>NPL, PTB</i>
11:40	HTGHP Workshop – Good Practice Guide on performance checking and Validation of HTGHP	<i>LNE</i>
12:00	HTGHP Workshop – Effect of surface flatness and surface thermal contact resistance on thermal conductivity measurements of rigid insulation/refractory material	<i>CMI, MKEH</i>
12:30	Lunch & networking discussion (in G15 CS4a) + Tour of lab facilities (for any interested parties)	<i>All</i>
13:30	HTGHP Workshop – Challenges in thermal conductivity measurements of thin polymer composites	<i>NPL</i>
13:45	HTGHP Workshop - Challenges in measuring thermal conductivity of thin (multi-layered) thermal insulation materials	<i>LNE</i>
14:00	HTGHP Workshop - Good Practice Guide on selection, preparation and calibration of temperature sensors to be used in HTGHP	<i>CMI</i>
14:20	HTGHP Workshop - Overview of uncertainty factors in HTGHP	<i>PTB</i>
14:50	Coffee break	<i>All</i>
15:00	CEN TC89/WG14 meeting – Transfer knowledge from EMRP Thermo	<i>WG14 Members</i>
15:45	Future works needed and proposals	<i>All</i>
16.30	Close Session	<i>All</i>