

Carbon-containing composites and materials			
	Organiser	Institution	Contact
	Juan José Vilatela	IMDEA-Materials, Madrid Spain	juanjose.vilatela@imdea.org
	Marc Monthioux	CNRS Toulouse France	marc.monthioux@cemes.fr
	Summary		
A3.I	<p>This symposium aims at comparing composites of any kind containing carbon-based elements: carbon fibres, carbon nanotube fibres, dispersed CNTs and graphene. It will address their fabrication processes, properties, mechanical behaviour, and multifunctional performance, and includes the following areas of interest:</p> <ul style="list-style-type: none"> ○ Processing issues related to integrating nanocarbons (i.e. CNTs, graphenes, carbon blacks, nanohorns...) in composites ○ Composites containing both nanocarbon and CF. ○ New carbon-based composite materials with CNT fibres ○ Advances in fabrication processes and performances of CF composites. ○ Multi-scale characterisation of carbon-containing composites ○ Nano versus micro in carbon-containing composites ○ Multiphasic carbon materials (e.g., carbon electrodes) 		