

**CORNET Call for Proposals: international Collective Research**  
**--- Partner Profile ---**

Organisation:	<b>PI - Institute for Process Control and Innovative Energy Conversion</b>
Website address:	<a href="http://www.pi.hs-mannheim.de">www.pi.hs-mannheim.de</a>
Organisation typology:	<input type="checkbox"/> SME Association <input type="checkbox"/> Cluster <input checked="" type="checkbox"/> University <input type="checkbox"/> Research Centre <input type="checkbox"/> Other (please specify)
Sector/field of specialisation:	Renewable Energy, heat storage systems
Expertise offered:	<p>1. Low cost Phase Change Material (PCM) for different temperatures and applications</p> <p>2. Thermal hydrolyses of biomass</p> <p>3. Use of low temperature waste heat</p> <p><u>examples:</u> Wärmespeicher mit einem teilweise mit Fluid gefülltem Behälter. Erfinder: H. JÄGER, K. WENDKER, M.K. MÜLLER, J. TEDY UND M. RÄDLE. Anmeldung: 6. Juli 2011. DE102011107270A1. (patent)            HARNISCH GMBH FILTER-, APPARATE- UND ANLAGENBAU; HERTER, ALEXANDER; RÄDLE, MATTHIAS. Thermische Hydrolyse von Biomasse. Erfinder: M. RÄDLE, A. HERTER, M. HARNISCH UND F. ASLAN. Anmeldung: 20. Juni 2014. (patent)            TEDY, J., M. RÄDLE, S. KUNKEL und R. ULBRICH, 2015. Heat capacity enhancement of water tanks by use of phase change materials for domestic purposes. <i>Instal</i>, (3), 23-27            Transmission turbo compressor or turbine with floating bush bearings. Erfinder: P. DÖRNHOFER, J. FRIEDEMANN, N. HEß-MOHR, M. RÄDLE UND T. SCHUMACHER. WO002014009545A1. (patent)            KÜBLER GMBH, DE. Method and configuration for heating buildings with an infrared heater. Erfinder: T. KÜBLER, J. FINDEISEN UND M. RÄDLE. Anmeldung: 11. März 2014. US020140251309A1.</p>
Contact person:	Name: Prof. Dr. Matthias Rädle Organisation: Hochschule Mannheim, University of Applied Sciences E-mail: <a href="mailto:m.raedle@hs-mannheim.de">m.raedle@hs-mannheim.de</a> Tel: +49 621 76 15 08 21