

**Thermochemical Database (TDB) Project course:  
Thermodynamic data collection and assessment  
12 November 2020**

**Location:** On-line

**Instructors:** Xavier Gaona (KIT-INE, Germany), Don Reed (LANL, USA), Marcus Altmaier (KIT-INE, Germany), Marilena Ragoussi (OECD/NEA, France), Lara Duro (Amphos21, Spain) and Barbara Lothenbach (EMPA, Switzerland)

**Course Outline**

<b>Time</b>	<b>Topic</b>
<b>15:00 – 15:10</b>	Introductions (All instructors)
<b>15:10 – 15:25</b>	NEA-TDB - Background and historical viewpoint (Ragoussi)
<b>15:25 – 15:40</b>	Perspectives - international updates. NEA-TDB reference material and processes (Reed)
<b>15:40 – 16:10</b>	Experimental approaches and design (Altmaier)
<b>16:10 – 16:30</b>	NEA-TDB guidelines for ionic strength corrections. Critical review criteria within NEA-TDB (Gaona)
<b>16:30 – 16:50</b>	Break and/or discussion of presentations
<b>16:50 – 17:20</b>	Example of review process with Discussion (Gaona)
<b>17:20 – 17:35</b>	Thermodynamic data in the context of cementitious systems: SOAR cement (Lothenbach)
<b>17:35 – 18:05</b>	Thermodynamic databases for radionuclides building on NEA-TDB. Implementer Perspectives: the NEA-TDB Data in Predicting Repository Performance (Duro)
<b>18:05 – 18:15</b>	Wrap-up and feedback questionnaire (Ragoussi)