

	Sunday, 16.09.2018	Monday, 17.09.2018		Tuesday, 18.09.2018	
from 8:00		Poster Installation		Poster Installation	
9:00 - 10:30 9:00 - 9:15 9:15 - 9:30 9:30 - 9:45 9:45 - 10:00 10:00 - 10:15 10:15-10:30		Plenary I + Opening Opening: O. Gutfleisch and D. Coulomb D. Coulomb (France): "The phase-down of hydrofluorocarbons: context and challenges" I. Dumkow (Germany): "State of the art of vapor compression cooling in home appliances: the resulting challenges for magnetocaloric refrigeration"		Plenary II M. Kohl (Germany): "Miniature-Scale Thermomagnetic Generators Based on Heusler Alloy Films" I. Takeuchi (USA): "Compression-based elastocaloric cooling: recent advances in materials and systems"	
10:30-11:00		Coffee Break		Coffee Break	
11:00 - 12:30 11:00 - 11:15 11:15 - 11:30 11:30 - 11:45 11:45 - 12:00 12:00 - 12:15 12:15 - 12:30		Magnetocaloric Materials I Invited: J. Gassmann (Germany) O2-1130: J. Bocarsly (USA) O2-1145: J. Amaral (POR) O2-1200: L. Moreno-Ramirez (ESP) O2-12:15: A. Smith (DEN)	Caloric Devices I O3-1100: A. Rowe (CAN) O3-1115: U. Tomc (SLO) O3-1130: K. Filonenko (DEN) O3-1145: H. Johra (DEN) Invited: K. Klinar (Slovenia)	Magnetocaloric Materials III Invited: E.Liu (China) O9-1130: L. Caron (GER) O9-1145: V. Chernenko (ESP) O9-1200: S. Kavita (IND) O9-1215: F. Scheibel (GER)	Mechanocaloric Materials I O10-1100: J. Zemen (CZ) O10-1115: G. Nataf (FRA) Invited: L. Cohen (UK) Invited: S. Seelecke (Germany)
12:30 - 13:30		Lunch: Intl. Advisory Committee (L2 07)	Lunch (Mensa)	Lunch (Mensa)	
13:30 - 15:00 13:30 - 13:45 13:45 - 14:00 14:00 - 14:15 14:15 - 14:30 14:30 - 14:45 14:45 - 15:00	Registration TU Darmstadt: Karo 5 (City Center)	Magnetocaloric Materials II Invited: M. Gruner (Germany) O4-1400: H. Vieyra (GER) O4-1415: S. Wieland (GER) O4-1430: V. Paul-Boncour (FRA) O4-1445: I. Radulov (GER)	Thermomagnetic Energy Conversion O5-1330: A. Waske (GER) O5-1345: A. Momen (USA) O5-1400: A. Tantillo (USA) O5-1415: M. Lo Bue (FRA) Invited: M. Maschek (Netherlands)	Magnetocaloric Materials IV Invited: V. Pecharsky (USA) O11-1400: T. Gottschall (GER) (abstract book: p. 110, O12-1600) O11-1415: A. Gràcia Condal (ESP) O11-1430: K. Skokov (GER) O11-1445: E. Delczeg (SWE)	Caloric Devices III O12-1330: L. Maier (GER) O12-1345: Y. Wang (USA) O12-1400: A. Kedous-Lebouc (FRA) (abstract book: p. 82, O17-1600) O12-1415: K. Bartholome (GER) Invited: J. Lozano (Brasil)
15:00-15:30			Coffee Break		Coffee Break
15:30 - 17:00 15:30 - 15:45 15:45 - 16:00 16:00 - 16:15 16:15 - 16:30 16:30 - 16:45 16:45 - 17:00	Registration TU Darmstadt: Karo 5 (City Center)	Electrocaloric Materials I Invited: B.Rozic (Slovenia) O6-1600: B. Li (UK) O6-1615: K. Albe (GER) O6-1615: Y. Kinemuchi (JP) O6-1645: E. Bsaibess (FRA)	Caloric Devices II O7-1530: H. Neves Bez (BRA) O7-1545: B. Huang (NED) O7-1600: Z. Li (CHN) (abstract book: p. 225, P2-06) O7-1615: F. Melino (ITA) Invited: S.Lionte (France)	Poster Session P2: 15:30-17:30	
17:00 - 19:00	Welcome Reception TU Darmstadt: Karo 5 (City Center)	Poster session P1 (+ Beerstube)		18:00-18:45 Plenary evening talk (public) A. Friedrich: "The mastery of ice – the age of cryogenic life" Subsequently: Beerstube	

Info:

Each session of 1.5 h consists of 1 Invited talk of 25+5 min and 4 contributed talks of 12+3 min

Plenary talk is 40 + 5 min

Poster format A0 upright (height 118.9 cm, width 84.1 cm)

Oral Session	HMZ Lecture Hall I + II
Plenary Session	HMZ Lecture Hall I
Poster Session	HMZ Foyer - Exhibition Floor

Wednesday, 19.09.2018		Thursday, 20.09.2018	
from 8:00	Poster Installation		
9:00 - 10:30	Plenary III		Magnetocaloric Materials
9:00 - 9:15	J. Staunton (UK): "Caloric effects around phase transitions in magnetic materials described by ab-initio theory"		F. Cugini (Italy)
9:15 - 9:30			O19-0930: T. Hickel (GER)
9:30 - 9:45			O19-0945: H. Sepehri-Amin (JP)
9:45 - 10:00	A. Fujita (Japan): "Impact of itinerant-electron features on the magnetocaloric properties and hydrogen stability in La(Fe,Si) ₁₃ -based magnetocaloric compounds"		O19-1000: A. Kamantsev (RUS)
10:00 - 10:15			O19-1015: C. Bennati (ITA)
10:15-10:30			Caloric Devices V
			O20-0900: V. Buchelnikov (RUS)
			O20-0915: B. Lu (CHN)
			O20-0930: M. Almanza (FRA)
			O20-0945: D. J. Silva (POR)
			A. Rowe (Canada)
10:30-11:00	Coffee Break		Coffee Break
11:00 - 12:30	Magnetocaloric Materials V	Electrocaloric Materials II	Plenary IV
11:00 - 11:15		O16-1100: C. Molin (GER)	X. Moya (UK): "Cooling under pressure"
11:15 - 11:30	Invited: K. Sandeman (USA)	O16-1115: R. Hühne (GER)	
		(abstract book: p. 244, P2-25)	
11:30 - 11:45	O15-1130: S. Taskaev (RUS)	O16-1130: A. Bradesko (SLO)	
11:45 - 12:00	O15-1145: C. Christiansen (DEN)	O16-1145: B. Xu (GER)	C. Bahl (Denmark): "A magnetocaloric heat pump for domestic application"
	(abstract book: p. 192, P1-33)		
12:00 - 12:15	O15-1200: E. Palacios (ESP)		
12:15 - 12:30	O15-1215: J. Cwik (POL)	Invited: A. Grünebohm (Germany)	
12:30 - 13:30	Lunch: Women in Caloric Research (L2 01)	Lunch (Mensa)	Closing: Oliver Gutfleisch + Didier Coulomb
13:30 - 15:00	Poster Session P3		
13:30 - 13:45			
13:45 - 14:00			
14:00 - 14:15			
14:15 - 14:30			
14:30 - 14:45			
14:45 - 15:00			
15:00-15:30	Coffee Break		
15:30 - 17:00	Mechanocaloric Materials II	Caloric Devices IV	
15:30 - 15:45		O18-1530: J. Tusek (SLO)	
15:45 - 16:00	Invited: J. Liu (China)	O18-1545: J. Slaughter (USA)	
		O18-1600: E. Stern-Taulats (UK)	
16:00 - 16:15	O17-1600: D. Piorunek (GER)	O18-1615: F. Brüderlin (GER)	
16:15 - 16:30	O17-1615: S. Fedotov (RUS)		
16:30 - 16:45	O17-1630: L. Bumke (GER)	Invited: R. Ihnfeldt (USA)	
16:45 - 17:00	O17-1645: L. Paixão (BRA)		
from 19:00	19:00 Conference dinner Orangerie Darmstadt		

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