

	Session code	Abstract ID	Session code	Abstract ID	Session code	Abstract ID	Session code	Abstract ID	Session code	Abstract ID	Session code	Abstract ID				
	Sunday 11/09/16				Monday 12/09/16				Tuesday 13/09/16				Wednesday 14/09/16			
8:30	Registration				Registration				Registration							
Session A	MA-P				TA-P				WA-M				TB-S			
	Plenary session I				Plenary session II				Magnetocaloric materials VI				Cooling systems IV			
09:00 – 09:15					TA-P1 Keynote L. H. Lewis				WA-M1 Highlight V. Pecharsky				WA-S1 194			
09:15 – 09:30	Conference opening and welcome address												WA-S2 112			
09:30 – 09:45					TA-P2 Keynote A. Kitanovski				WA-M2 111				WA-S3 78			
09:45 – 10:00	MA-P1 Keynote O. Gutfleisch								WA-M3 127				WA-S4 227			
10:00 – 10:15					TA-P3 Highlight R. Bjørk				WA-M4 218				WA-S5 82			
10:15 – 10:30	MA-P2 Keynote A. Pereira				TA-P4 A life in science: Karl Gschneidner Jr. V. Pecharsky				WA-M5 201				WA-S6 124			
10:30 – 10:45									WA-M6 73				WA-S7 238			
10:45 – 11:00	Coffee break				Coffee break				Coffee break							
11:00 – 11:15																
Session B	MB-M		MB-S		TB-M		TB-S		WB-P							
	Magnetocaloric materials I		Cooling systems I		Magnetocaloric materials III		Cooling systems II		Plenary session III							
11:15 – 11:30	MB-M1	Highlight X. Hai	MB-S1	Highlight A. Maiorino	TB-M1	Highlight C. Bahl	TB-S1	Highlight A. Rowe	WB-P1	Keynote	A. Saito					
11:30 – 11:45									WB-P2	Keynote	N. Wilson					
11:45 – 12:00	MB-M2	75	MB-S2	243	TB-M2	161	TB-S2	100								
12:00 – 12:15	MB-M3	195	MB-S3	57	TB-M3	206	TB-S3	105								
12:15 – 12:30	MB-M4	83	MB-S4	98	TB-M4	66	TB-S4	86								
12:30 – 12:45	MB-M5	74	MB-S5	203	TB-M5	156	TB-S5	182								
12:45 – 13:00	MB-M6	217	MB-S6	84	TB-M6	154	TB-S6	145								
13:00 – 13:30	Lunch				Lunch											
13:30 – 14:00																
14:00 – 14:30																
Session C	MC-M		MC-S		TC-M		TC-S		ELICIT workshop http://elicit-project.eu/							
	Magnetocaloric materials II		Heat switches		Magnetocaloric materials IV		Cooling systems III									
14:30 – 14:45	MC-M1	Highlight A. Diestel	MC-S1	79	TC-M1	Highlight J. Amaral	TC-S1	Highlight M. Hittinger								
14:45 – 15:00			MC-S2	166												
15:00 – 15:15	MC-M2	254	MC-S3	143	TC-M2	80	TC-S2	125								
15:15 – 15:30	MC-M3	140	MC-S4	88	TC-M3	185	TC-S3	184								
15:30 – 15:45	MC-M4	228	MC-S5	235	TC-M4	162	TC-S4	139								
15:45 – 16:00	Registration	MC-M5	175	MC-S6	81	TC-M5	245	TC-S5	70							
16:00 – 16:15		MC-M6	234	to be announced	TC-M6	231	TC-S6	141	IIR Industry SubWorking Group meetings WS-2 Round Robin RR3 (Academia)							
16:15 – 16:30	Coffee break				Coffee break											
16:30 – 16:45	Tutorial lecture 1									WS-3 Industry & Supply Chain (Academia invited)						
	F. Fiorillo	MP-M		MD-F		TD-M		TP-S & TP-F								
		Poster session I		Ferroc materials		Magnetocaloric materials V		Poster session II								
16:45 – 17:00				MD-F1	108	TD-M1	77	TP-S01÷28 Cooling systems & &								
17:00 – 17:15				MD-F2	230	TD-M2	178									
17:15 – 17:30	Tutorial lecture 2	MP-M01÷60 Magneto-caloric materials		MD-F3	173	TD-M3	109	TP-F01÷04 Ferroc materials								
17:30 – 17:45	E. Brück			MD-F4	101	TD-M4	163									
17:45 – 18:00				MD-F5	87	TD-M5	138									
18:00 – 18:15				MD-F6	116	TD-M6	123									
18:15 – 18:30	Welcome reception and registration					TD-M7	122									
18:30 – 19:30																
20:00 – 21:00																
21:00 – 22:00	Piano concert				Social dinner											
22:00 – 23:00																

Legend:

Plenary sessions	Cavour Hall	Cavour Hall
	Torino Hall	Foyer
	Giolitti Hall	Giolitti Hall

Day	Session	Session code	Abstract ID	Title	Accepted Format	Presenting Author	Presenting Author Affiliation	Presenting Author Country
Monday 12/09/16	Plenary	MA-P1	256	Mastering hysteresis in magnetocaloric materials	Keynote	O. Gutfleisch	TU Darmstadt	Germany
		MA-P2	255	Thermal switch in a magnetic cooling engine: state of the art, opportunities and open challenges	Keynote	A. Pereira	University of Porto	Portugal
	Magnetocaloric materials I	MB-M1	43	Substitutional and interstitial modulation of (La,Ce)(Fe,Mn,Si)13Hx structure discussed with hydrogen sorption kinetics	Highlight	X. Hai	Institut Néel, Université Grenoble Alpes	France
		MB-M2	75	Properties of La(Fe, Co, Si)13 magnetocaloric compounds prepared by reactive Spark Plasma Sintering	Oral	V. Paul-Boncour	CNRS	France
		MB-M3	195	La-Fe-Si based solid-state refrigerants for low temperature applications produced by powder metallurgy	Oral	A. Barcza	Vacuumschmelze GmbH	Germany
		MB-M4	83	Moving atoms and electrons: a high resolution XRD study on first- and second order Fe2P based materials	Oral	M. Boeije	TU Delft	Netherlands
		MB-M5	74	Scale up of MnFePSi materials in a broad temperature range and manufacturing of advanced heat exchanger structures	Oral	F. Dötz	BASF New Business	Germany
		MB-M6	217	Magnetocaloric effect of Mn5-xFexGe3 alloys	Oral	D. Karpenkov	NUST	Russian Federation
	Cooling systems I	MB-S1	132	The optimization of the energy performances of a PMRR by using neural networks	Highlight	A. Maiorino	University of Salerno	Italy
		MB-S2	243	Multidimensional numerical method for performance predictions of AMR cycle using Ansys Fluent software	Oral	K. Hamdani	Ecole Nationale Polytechnique	Algeria
		MB-S3	57	Multiobjective optimization of a reciprocating magnetic refrigerator using genetic algorithm	Oral	S. Roy	University of Sherbrooke	Canada
		MB-S4	98	Transient simulation of the Active Magnetic Regenerator process	Oral	T. Christiaanse	University of Victoria	Canada
		MB-S5	203	The maximum possible cooling power of Gd - based magnetic refrigerators	Oral	A. Karpenkov	Chelyabinsk State University	Russian Federation
		MB-S6	84	Study of the performance coefficient of an active magnetic regenerative refrigeration system	Oral	Z. Meddeb	Gabes University	Tunisia
	Magnetocaloric materials II	MC-M1	148	Influence of composition on hysteresis and caloric properties of epitaxial Ni-Mn-Ga-Co films	Highlight	A. Diestel	IFW Dresden	Germany
		MC-M2	254	On the continuous grading of Ni-Mn-Sn active magnetic regenerator through post-annealing heterogeneous cooling conditions	Oral	A-S. Kalbfleisch	Université Catholique de Louvain	Belgium
		MC-M3	140	Surface morphology dependence of the magnetovolume transition in LaFe11.8Si1.2	Oral	A. Waske	IFW Dresden	Germany
		MC-M4	228	(Ni,Co)2MnGa(In) metamagnetic Heusler alloys: a study on the magnetocaloric properties and the role of transformation width	Oral	S. Fabbri	IMEM-CNR	Italy
		MC-M5	175	Direct in situ study of magnetocaloric effect and martensitic domain structure of Ni-Mn-Ga Heusler alloy in strong magnetic fields up to 14 T	Oral	Y. Koshikido	International Laboratory of High Magnetic Fields and Low Temperatures, PAS	Poland
		MC-M6	234	Hysteresis at first order transitions in Mn3GaC and Mn3GaC0.85N0.15 studied by adiabatic temperature change and polarized neutrons	Oral	Ö. Çakir	Yildiz Technical University	Turkey
	Heat switches	MC-S1	79	New concept for magnetocaloric heat pumps based on thermal diodes and latent heat transfer	Oral	K. Bartholomé	Fraunhofer IPM	Germany
		MC-S2	166	Development of an innovative rotary magnetic heat pump setup	Oral	B. Huang	TU Delft	Netherlands
		MC-S3	143	Simulation of magnetic refrigeration systems with heat switches and axial conductive heat transfer	Oral	B. Monfared	KTH Royal Institute of Technology	Sweden
		MC-S4	88	The operating principle of a fully solid state active magnetic regenerator	Oral	M. Zhang	Oak Ridge National Laboratory	United States
		MC-S5	235	Experimental investigation of thin-film peltier modules as thermal switches in magnetocaloric energy conversion	Oral	U. Tomc	University of Ljubljana	Slovenia
		MC-S6	81	Fast switching thermal diodes for caloric applications	Oral	T. Hess	Fraunhofer IPM	Germany
		MC-S7		To be announced				
	Ferroc materials	MD-F1	108	Experimental results for a proof-of-concept elastocaloric device	Oral	K. Engelbrecht	Technical University of Denmark	Denmark
		MD-F2	230	Hydrostatic pressure to trigger and assist magnetic transitions: baromagnetic refrigeration	Oral	M. Quintero	Comisi	Argentina
		MD-F3	173	Electrocaloric polymers: different cooling cycles to increase their efficiency	Oral	S. Pruvost	Université de Lyon, INSA Lyon, IMP	France
		MD-F4	101	Multicaloric effects in (x)0.7PNN-0.3PT – (1-x)La0.85Ag0.15MnO3 composites	Oral	A. Amirov	Amirkhanov Institute of Physics of Dagestan Scientific Center RAS	Russian Federation
		MD-F5	87	Infra-red imaging of elastocaloric multilayer capacitors	Oral	A. Avramenko	University of Cambridge - Department of Materials Science	United Kingdom
		MD-F6	116	Direct measurements of electrocaloric oxides	Oral	D. Mukherjee	University of Cambridge - Department of Materials Science	United Kingdom
Tuesday 13/09/16	Plenary	TA-P1	133	Multivariable tuning and optimization in selected magnetostructural systems	Keynote	L.H. Lewis	Northeastern University	United States
		TA-P2	250	Future developments in magnetocaloric refrigeration and heat pumping	Keynote	A. Kitanovski	University of Ljubljana	Slovenia
		TA-P3	110	Generating the optimal magnetic field for magnetic refrigeration	Highlight	R. Bjørk	TU Denmark	Denmark
		TA-P4	-	A life in science: Karl Gschneidner Jr.	Special talk	V. Pecharsky	Ames Laboratory, U.S. Department of Energy	United States
	Magnetocaloric materials III	TB-M1	147	Epoxy-bonded La(Fe,Mn,Si)13Hy as a multi layered active magnetic regenerator	Highlight	C. Bahl	TU Denmark	Denmark
		TB-M2	161	Dynamic temperature measurement for magnetocaloric materials	Oral	M. Almanza	SATIE, University of Paris-Saclay	France
		TB-M3	206	Direct measurements of the magnetocaloric and magnetovolume effects in static and pulsed magnetic fields	Oral	K. Skokov	TU Darmstadt	Germany
		TB-M4	66	Non-contact experimental setups to directly measure the magnetocaloric effect in thin sheets and on short time scales	Oral	F. Cugini	Università di Parma	Italy
		TB-M5	156	Thermal conductivity of magnetocaloric materials: challenges and opportunities for magnetic refrigeration and thermal management	Oral	A. Davarpanah	Universidade de Aveiro	Portugal
		TB-M6	154	In-situ analysis of multicaloric heterostructures	Oral	B. Schleicher	IFW Dresden, Institute of Metallic Materials	Germany
	Cooling systems II	TB-S1	179	Active Caloric Regenerator Cycles: an analytic element model	Highlight	A. Rowe	University of Victoria	Canada
		TB-S2	100	Efficiency increase in active magnetic regenerators due to the insertion of passive insulator layers	Oral	I. Mugica	University of Sherbrooke	Canada
		TB-S3	105	Experimental investigation of fluid waveforms in an active magnetic regenerator	Oral	R. Teyber	University of Victoria	Canada
		TB-S4	86	Study of heat transfer in magnetocaloric regenerator with oscillating flow	Oral	A. Meunier	FEMTO-ST	France
		TB-S5	182	Fundamental study about an air conditioner which combined the magnetic refrigeration with humidity regulation system	Oral	N. Hirano	Chubu Electric Power Co., Inc.	Japan
		TB-S6	145	Optimization of heat exchange in magnetic refrigerators and thermomagnetic motors	Oral	C. Bessa	University of São Paulo	Brazil
	Magnetocaloric materials IV	TC-M1	200	Magnetocaloric effect of compressible Heisenberg lattices: application to Gadolinium	Highlight	J. Amaral	Universidade de Aveiro	Portugal
		TC-M2	80	Understanding magnetostructural transitions	Oral	T. Gottschall	TU Darmstadt	Germany
		TC-M3	185	Influence of the disordered local moment state on the hydrogen redistribution phenomenon in La(Fe,Si)13 system	Oral	A. Fujita	AIST – Chubu Electric Power Co., Inc.	Japan
		TC-M4	162	Ab-initio theory for the first order ferrimagnetic-antiferromagnetic phase transition in magnetocaloric Mn2Sb-based compounds	Oral	E. Mendive Tapia	University of Warwick	United Kingdom
		TC-M5	245	Discovery of new magnetocaloric materials through density functional theory screening, rapid synthesis, and rapid measurement	Oral	J. Bocarsly	University of California-Santa Barbara	United States
TC-M6		231	On entropy change measurements around first order phase transitions in caloric materials	Oral	L. Caron	Max Planck Institute for Chemical Physics of Solids	Germany	

Tuesday 13/09/16	Cooling systems III	TC-S1	151	Impact of the integration work on the performance measurements of the magnetocaloric cooling system and its target refrigerated cabinet	Highlight	M. Hittinger	Cooltech Applications	France	
		TC-S2	125	Analytical solutions of the magnetic field generated by two-pole nested Halbach cylinders	Oral	F. Fortkamp	Federal University of Santa Catarina	Brazil	
		TC-S3	184	Experimental performance evaluation of sintered Gd spheres packed beds	Oral	A. Tura	University of Victoria	Canada	
		TC-S4	139	Recent experimental results and perspectives of rotary multi-bed magnetic refrigeration	Oral	D. Eriksen	Technical University of Denmark	Denmark	
		TC-S5	70	Magnetocaloric bench: analytical model for gadolinium characteristics	Oral	A. Plait	FEMTO-ST	France	
		TC-S6	141	Improvement of the AMR's performance: multi-segment regenerator and by-pass flow	Oral	S. Lionte	Cooltech Applications	France	
	Magnetocaloric materials V	TD-M1	77	A material screening technique for optimum performance of an AMR	Oral	I. Niknia	University of Victoria	Canada	
		TD-M2	178	On the rotating magnetocaloric effect in multiferroic RMn ₂ O ₅ compounds	Oral	M. Balli	University of Sherbrooke	Canada	
		TD-M3	109	Magnetocaloric effect in severe plastic deformed Gd-X (X=In, Ga, B, Y, Zr)	Oral	S. Taskaev	Chelyabinsk State University	Russian Federation	
		TD-M4	163	Peculiarities of the magnetocaloric effect in the vicinity of the AFM-FM transition in FeRh-based alloys	Oral	R. Gimaev	Moscow State University	Russian Federation	
		TD-M5	138	RCrO ₄ (R = rare earth element) as magnetic refrigerants in the range of liquid hydrogen or natural gas	Oral	E. Palacios	Instituto de Ciencia de Materiales de Aragón (CSIC - U. Zaragoza)	Spain	
		TD-M6	123	Crack evolution in field- and temperature-cycled LaFe _{11.8} Si _{1.2}	Oral	A. Funk	IFW Dresden	Germany	
		TD-M7	122	Magnetic phase diagram and magnetocaloric values of MTX intermetallic compounds with magnetostructural transitions	Oral	R. Burriel	Instituto de Ciencia de Materiales de Aragón (CSIC - U. Zaragoza)	Spain	
Wednesday 14/09/16	Magnetocaloric materials VI	WA-M1	130	CaloriCoolTM: The caloric materials consortium	Highlight	V. Pecharsky	Ames Laboratory, U.S. Department of Energy	United States	
		WA-M2	111	Element specific and orbital selective magnetization probe for giant magnetocaloric materials: examples in two families of Mn-alloys	Oral	F. Guillou	ESRF	France	
		WA-M3	127	Influence of grain size on the magnetocaloric properties in Mn _{1.30} Fe _{0.65} P _{0.5} Si _{0.5} powders	Oral	M. Lo Bue	CNRS	France	
		WA-M4	218	MnM'X-based magnetocaloric pnictides: fundamental characterizations of Co2P-type systems, optimisation of performant Fe2P-type compounds	Oral	D. Fruchart	Institut Néel	France	
		WA-M5	201	Magnetocaloric effect in germanium doped Mn _{1.1} Fe _{0.9} P _{0.5} As _{0.5-x} Gex (x=0.02 - 0.1) intermetallic compounds	Oral	P. Włodarczyk	Institute of Non-Ferrous Metals	Poland	
		WA-M6	73	Magnetic structures in FeMn _{0.75} Si _{0.25} magnetocaloric material	Oral	E-K. Delczeg-Czirjak	Uppsala University	Sweden	
	Cooling systems IV	WA-S1	194	A cascading model of an active magnetic regenerator system	Oral	C. Veje	University of Southern Denmark	Denmark	
		WA-S2	112	Thermal loss estimation for active magnetic regenerator aiming at railway air-conditioner application	Oral	Y. Miyazaki	Railway Technical Research Institute	Japan	
		WA-S3	78	Effects of magnetocaloric wire on increase in magnetic refrigeration cycle	Oral	K. Ueno	Fujikura Ltd.	Japan	
		WA-S4	227	Study on composite of thermoplastic loaded by magnetocaloric powders	Oral	J. Lanzarini	FEMTO-ST / Department of Applied Mechanics	France	
		WA-S5	82	Shaping magnetocaloric parts using three-dimensional screen printing	Oral	M. Dressler	Fraunhofer Institute for Manufacturing Technology and Advanced Materials	Germany	
		WA-S6	124	Influence of particle orientation on the effective thermal conductivity of magnetocaloric composites	Oral	K. Sellschopp	IFW Dresden	Germany	
WA-S7		238	Metal bonded La(Fe,Si) ₁₃ magnetocaloric materials for magnetic refrigeration	Oral	B. Podmiljsak	Jozef Stefan Institute	Slovenia		
Plenary	WB-P1	257	Room-temperature magnetic refrigeration: from basic research to development for application	Keynote	A.T. Saito	Toshiba corporation	Japan		
	WB-P2	252	Magnetic Cooling: Cambridge achievements and industry challenges	Keynote	N. Wilson	Cambridge Ltd.	United Kingdom		
Monday 12/09/16	Poster session MP-M	Magnetocaloric materials	MP-M01	58	Changes of the magnetocaloric effect in a high magnetic field for second order magnetic transition Laves phase compounds	Poster	J. Cwik	International Laboratory of High Magnetic Fields and Low Temperatures, PAS	Poland
			MP-M02	60	Reemergence of magnetostructural coupling and large magnetocaloric effect in Mn _{0.95} CoGe alloys by substituting Ge with Si	Poster	H. Zhang	University of Science and Technology Beijing	China
			MP-M03	61	Thermal dependences of single ionic magnetic properties of materials in ordered state calculated with ATOMIC MFA computation system	Poster	R. Michalski	Miloo Electronics, Induforce, Atomic Matters division (Cracow, Poland)	Poland
			MP-M04	63	Inelastic neutron scattering on magnetocaloric compounds	Poster	K. Schmalzl	JCNS, Forschungszentrum Jülich GmbH, Outstation at ILL, Grenoble	France
			MP-M05	65	Theoretical investigation on the magnetocaloric effect and magneto-resistivity in antiferromagnetic TbSb	Poster	P. Ribeiro	Universidade do Estado do Rio de Janeiro	Brazil
			MP-M06	72	Performance comparison of La _{0.8} Ce _{0.2} Fe _{11.47} Mn _{0.23} Si _{1.3} H _{1.8} magnetic refrigerant prepared by two methods	Poster	J. Cheng	Baotou Research Institute of Rare-earths	China
			MP-M07	91	Structural, magnetic and magnetocaloric properties of Ni ₄₃ Mn ₄₆ ln ₁₁	Poster	Y. Elerman	Ankara University	Turkey
			MP-M08	92	Magnetostructural transition and magnetocaloric effect in Mn-Co-Cu-Ge compounds	Poster	S. K. Pal	Institute for Energy Technology Kjeller	Norway
			MP-M09	103	Magnetocaloric effect in Sm _{1-x} Sr _x MnO ₃ , La _{1-x} CaxMnO ₃ and La _{1-x} AgyMnO ₃ manganites in alternating magnetic fields	Poster	A.M. Aliev	Amirkhanov Institute of Physics of Dagestan Scientific Center RAS	Russian Federation
			MP-M11	114	Large magnetocaloric effect of GdxHo _{3-x} Al ₂ alloys in a wide temperature range	Poster	M. Wu	University of Science and Technology of Beijing	China
			MP-M12	115	Direct characterization of magnetocaloric properties of perovskite manganites	Poster	S. Riegg	Fraunhofer ISC, Project Group IWKS	Germany
			MP-M13	121	The effect of Ba substitution on the magnetocaloric properties of Eu(1-x)BaxTiO ₃ compound	Poster	B.P. Alho	Universidade do Estado do Rio de Janeiro	Brazil
			MP-M14	128	Modification of the thermal hysteresis in magnetocaloric materials by highly charged ion bombardment	Poster	M. Lo Bue	CNRS	France
			MP-M60	131	Modified mean-field theory with phenomenological model of volume effects for 1st order magnetic transitions	Poster	M. Risser	Cooltech Applications	France
			MP-M16	134	High-temperature hydrogenation behaviors and magnetocaloric properties of LaFe _{11.65} Si _{1.4} compound	Poster	Y. Tang	Sichuan University	China
			MP-M17	136	Novel magneto-caloric materials for efficient waste heat conversion in thermomagnetic generators	Poster	M. Maschek	TU Delft	Netherlands
			MP-M18	146	Prealloying effect of La in mechanical alloying of La(Fe,Si) ₁₃ composition	Poster	J.S. Blazquez	University of Sevilla	Spain
			MP-M19	152	Novel hydrogenation process of La(Fe,Si) type intermetallic compounds	Poster	M. Polak	Institute of Non-Ferrous Metals	Poland
			MP-M20	153	Influence of numerical approximations in the determination of the magnetocaloric effect from calorimetric measurements	Poster	L.M. Moreno-Ramírez	Sevilla University	Spain
			MP-M21	157	Theoretical models to understand and describe the magnetocaloric effect in first order materials	Poster	M. Piazza	INRIM	Italy
			MP-M22	165	Influence of B on the phase formation and corrosion behavior of LaFe _{13-x} Si ₆	Poster	Y. Long	University of Science and Technology Beijing	China
			MP-M23	168	Study on the microstructure and Curie temperature inhomogeneity in kilogram-scale LaFe _{10.85} Co _{0.75} Si _{1.4} C _{0.15} compound	Poster	S. Zong	University of Science and Technology Beijing	China
			MP-M24	176	Magnetocaloric properties of the stacked Ni ₅₀ Mn _{18.75-x} Cu _{6.25+x} Ga ₂₅ (x = 0-1) polycrystalline alloys	Poster	R. Wroblewski	Warsaw University of Technology	Poland
			MP-M25	177	Properties of Gadolinium wire for magnetic refrigeration	Poster	R. Nomura	Fujikura Ltd.	Japan
			MP-M26	180	Magnetocaloric properties of Fe-Rh-(Z) (Z = Pd, Ni) alloys from ab initio and Monte Carlo calculations	Poster	V. Sokolovskiy	Chelyabinsk State University	Russian Federation
			MP-M27	183	Features of magnetocaloric effect in rare-earth based Laves phases of R(Co-Fe) ₂ type with low iron content	Poster	M. Anikin	Ural Federal University	Russian Federation
			MP-M28	187	Effect of heat treatment conditions on Mn _{1.000} Fe _{0.950} P _{0.595} Si _{0.330} B _{0.075} compounds for room-temperature magnetic refrigeration	Poster	N. V. Thang	Delft University of Technology	Netherlands
			MP-M29	188	The effect of Aluminum doping in magnetocaloric Ni ₄₀ Co ₁₀ Mn _{50-x} Al _x melt spun ribbons	Poster	B. Weise	IFW Dresden	Germany
			MP-M30	189	Microstructural and magnetic properties of the magnetocaloric compound Mn-Fe-P-Si	Poster	M. Fries	TU Darmstadt	Germany

Monday 12/09/16	Poster session MP-M	Magnetocaloric materials	MP-M31	190	Investigation of structural and magnetic properties of Ni ₄₃ Mn _{46-x} Al _x In ₁₁ (x=0.5, 1.0, 1.5) alloys	Poster	M.M. Cicek	Ankara University	Turkey
			MP-M32	192	Magnetocaloric and microstructural properties of hexagonal Heusler-analogues	Poster	A. Taubel	TU Darmstadt	Germany
			MP-M33	193	To the theory of giant magnetocaloric effect in materials with magnetostructural phase transition	Poster	Z.Z. Alisultanov	Amirkhanov Institute of Physics of Dagestan Scientific Center RAS	Russian Federation
			MP-M34	196	On the thermal cycling and annealing influence in G ₅ (Si,Ge) ₄ thin films	Poster	A.L. Pires	IFIMUP IN	Portugal
			MP-M35	197	Metastable behaviour of Gd ₅ (Si,Ge) ₄ thin film unveiled by transport and magnetotransport studies	Poster	J.H. Horta Belo	IFIMUP IN	Portugal
			MP-M36	198	Magnetic and lattice contributions to the magnetocaloric effect in the first order phase transition materials	Poster	A.M. Aliev	Amirkhanov Institute of Physics of Dagestan Scientific Center RAS	Russian Federation
			MP-M37	199	Development of a magnetic separation technique for grains of magnetocaloric alloys	Poster	H.A. Vieyra	Vacuumschmelze GmbH	Germany
			MP-M38	202	On the synthesis of La(Fe,Si) ₁₃ compounds by reduction-diffusion process	Poster	P. Włodarczyk	Institute of Non-Ferrous Metals	Poland
			MP-M39	204	Ab initio investigation of reference states of Cr-doped Ni-Co-Mn-(In, Sn) Heusler alloys	Poster	V. Buchelnikov	Chelyabinsk State University	Russian Federation
			MP-M40	205	Reversible and non reversible magnetocaloric effect in phase separated manganites	Poster	M. Quintero	Comisi	Argentina
			MP-M41	207	Investigation of magnetocaloric effect by the fast response infrared optical temperature probe	Poster	A.P. Kamantsev	Kotelnikov Institute of Radio-engineering and Electronics of RAS, Moscow	Russian Federation
			MP-M42	208	Magnetocaloric effect suppression induced by mechanical milling on intermetallic DyCo ₂	Poster	V. Gomes de Paula	State University of Campinas	Brazil
			MP-M43	209	Study of structural and magnetic properties of the pseudo-binary compound Mn(3-x)FexSn, x ∈ [0, 2.75]	Poster	M. Rodrigues Felez	Federal University of São Paulo	Brazil
			MP-M44	210	Synthesis of (Gd,La)(Fe,Co) ₂ compounds for magnetocaloric studies	Poster	V.M. Andrade	University of Porto	Portugal
			MP-M45	212	Chemical pressure on perovskite RCrO ₃ magnetocaloric effect (R=Y, Yb, Er, Sm)	Poster	A. Pereira	Porto University and IFIMUP-IN	Portugal
			MP-M46	213	The impact of chemical composition and technological route of (Mn,Fe)2(P,Si,Ge) alloys on their magnetocaloric properties	Poster	J. Ferenc	Warsaw University of Technology	Poland
			MP-M47	215	From magnetocaloric materials to efficient heat exchangers for application	Poster	I.A. Radulov	TU Darmstadt	Germany
			MP-M48	221	XRD study of the phase-coexistence in magneto-elastic transition of Mn _{1.24} Fe _{0.71} P _{0.46} Si _{0.54} alloys	Poster	A. Bartok	CNRS/SATIE	France
			MP-M49	222	Ti substitution in MnBi rare-earth free magnetocaloric compound	Poster	C. Curcio	INRIM and Politecnico di Torino	Italy
			MP-M50	223	Magnetic vs mechanical properties of magnetocaloric Gd _{1-x} Tbx alloys	Poster	D. Fruchart	Institut Néel	France
MP-M51	224	Selection and shaping of materials for energy conversion exploiting the magnetocaloric effect	Poster	A. Dianoux	Institut Jean Lamour	France			
MP-M52	226	The limit and critical magnetic field in the Heusler alloys Ni-Mn-In(Co)	Poster	A.V. Mashirov	Kotelnikov Institute of Radio-engineering and Electronics of RAS	Russian Federation			
MP-M53	229	Magnetocaloric effect in Ni-Co-Mn-Sn Heusler alloys	Poster	M. Drobozyuk	Chelyabinsk State University	Russian Federation			
MP-M54	236	Magnetocaloric effect in La _{1-x} KxMnO ₃ (x=0.11, 0.13, 0.15) sandwich structures in magnetic fields up to 80 kOe	Poster	A.G. Gamzatov	Amirkhanov Institute of Physics of Dagestan Scientific Center RAS	Russian Federation			
MP-M55	239	Enhancement of magnetocaloric effect at constant temperature in Ho ₃₆ Co _{64-x} Al _x multiphase alloys	Poster	E. Balfour	University of Electronic Science and Technology of China, Chengdu	China			
MP-M56	240	Magnetocaloric properties of Gd ₄₈ Co ₅₂ and Gd ₄₈ Co ₄₂ Fe ₁₀ by mechanical alloying	Poster	I. Kucuk	Uludag University	Turkey			
MP-M57	244	La(Fe,Mn,Si) ₁₃ Hy compounds obtained by Reduction Diffusion process	Poster	B. Fischer Eggert	Federal University of Santa Catarina	Brazil			
MP-M58	248	Magnetocaloric effect in ErNi ₂ melt-spun ribbons	Poster	J.L. Sánchez Llamazares	Instituto Potosino de Investigación Científica y Tecnológica A.C.	Mexico			
MP-M59	249	Detailed investigation of the first/second order transitions in La(Fe,Si) ₁₃ based magnetocaloric materials	Poster	C. Bennati	INRIM and Politecnico di Torino	Italy			
MP-M60	131	Modified mean-field theory with phenomenological model of volume effects for 1st order magnetic transitions	Poster	M. Risser	Cooltech Applications	France			
Tuesday 13/09/16	Poster Sessions TP-F + TP-S - Ferriolic materials and heat switches + Cooling systems	TP-S01	59	A test stand to measure the magnetization work of magnetocaloric materials	Poster	L. Ferreira	University of São Paulo	Brazil	
		TP-S02	69	Review of recent magnetocaloric prototypes at room temperature and performance overview	Poster	S. Colasson	CEA Tech	France	
		TP-S03	76	Performance analysis of an active magnetic refrigeration system with configuration losses	Poster	I. Niknia	University of Victoria	Canada	
		TP-S04	90	Design and research on the magnetic refrigerated cabinet on room temperature	Poster	C. Zhang	Baotou Research Institute of Rare-earths	China	
		TP-S05	93	Experimental evaluation of an AMR subjected to different flow profiles	Poster	A. Nakashima	Federal University of Santa Catarina	Brazil	
		TP-S06	96	Experimental studies of the thermal hysteresis in a single layer AMR using MnFeP _{1-x} Si _x	Poster	P. Govindappa	University of Victoria	Canada	
		TP-S07	99	Location dependent performance study on regenerators within a Halbach magnetic field source	Poster	T. Christiaanse	University of Victoria	Canada	
		TP-S08	102	Influence of void volume and inlet flow maldistribution on the performance of thermal regenerators	Poster	P. Trevisoli	University of Victoria	Canada	
		TP-S09	106	Experimental evaluation of two-material active magnetic regenerators	Poster	R. Teyber	University of Victoria	Canada	
		TP-S10	120	A new approach of permanent magnets: Hf-Co thin films	Poster	Y. Elerman	Ankara University	Turkey	
		TP-S11	126	Optimization of Multilayer Active Magnetic Regenerators	Poster	J. Lozano	Federal University of Santa Catarina	Brazil	
		TP-S12	129	Influence of the cabinet and heat exchanger thermal conductances on the thermodynamic performance of a magnetic refrigerator	Poster	J. Lozano	Federal University of Santa Catarina	Brazil	
		TP-S13	137	Multi-level optimization of a tapered bed AMR	Poster	S. Dall'Olio	Technical University of Denmark	Denmark	
		TP-S14	142	A new magnetic refrigeration prototype with application in household refrigerators and professional display units	Poster	B. Monfared	KTH Royal Institute of Technology	Sweden	
		TP-S15	149	A design and calculation and fabricating of two-in-one compact magnet array	Poster	D. Lu	Nanjing University	China	
		TP-S16	158	Modeling of a digital hydraulic system for magnetic refrigerators	Poster	J. Lozano	Federal University of Santa Catarina	Brazil	
		TP-S17	160	Thermal energy harvesting: thermomagnetic versus thermoelectric generator	Poster	M. Almanza	SATIE, University of Paris-Saclay	France	
TP-S18	171	Numerical simulation study on optimization of parallel plate AMR using single phase and boiling heat transfer system	Poster	C. Liu – B. Lu	South China University of Technology	China			
TP-S19	172	Thermal design of a magnetocaloric refrigerator system by using 1D and 3D numerical methods	Poster	Ç. Balıkcı	ASELSAN	Turkey			
TP-S20	174	Modeling of heat transfer processes in Ni-Co-Mn-In magnetic wires	Poster	O. Pavluchkina	Chelyabinsk State University	Russian Federation			
TP-S21	186	Performance of magnetocaloric materials in loose and bonded powder	Poster	D. Benke	TU Darmstadt	Germany			
TP-S22	191	Integral optimisation of a magnetocaloric air-conditioning system for an electric vehicle	Poster	B. Torregrosa Jaime	Universitat Politècnica de València	Spain			
TP-S23	216	Feasibility study of a magnetocaloric system for summer acclimatization in residential buildings	Poster	F. Melino	Univesità di Bologna	Italy			
TP-S24	220	CFD Simulations of the magnetocaloric heat transfers between a gadolinium plate and an oscillating liquid flow	Poster	J.C. Roy	FEMTO-ST / UFC	France			
TP-S25	241	Numerical analysis with experimental comparison for active magnetic regenerator cycle based on La-Fe-Co-Si	Poster	Y. Chiba	University of Médéa	Algeria			
TP-S26	247	Simulation of a hydraulic circuit for a magnetic refrigerator	Poster	J. Barbosa	Federal University of Santa Catarina	Brazil			
TP-S27	258	Rotary magnetic regenerator design and assembly	Poster	F. Scarpa	Università di Genova	Italy			

Poster Sessions TP-F + TP-S	TP-S28	104	Modeling and simulation of a thermomagnetic reciprocating engine by gravity	Poster	A. Cocci de Souza	Universidade Estadual de Maringá	Brazil
	TP-F01	117	Giant barocaloric effect in ferroelectric compound	Poster	D. Mukherjee	University of Cambridge - Department of Materials Science	United Kingdom
	TP-F02	150	A refrigeration model based on thermal switch and numerical calculation	Poster	D. Lu	Nanjing University	China
	TP-F03	211	Thermal switches requirements and effects in solid state magnetic refrigeration	Poster	B. Bordalo	IFIMUP	Portugal
	TP-F04	219	Elastocaloric effect in a polycrystalline Ni-Mn-Ga ferromagnetic shape memory alloy	Poster	D. Wang	Nanjing University	China