14TH CASTLE MEETING



General program

Castle	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Meeting	August 31	September 1	September 2	September 3	September 4	September 5	September 6
7:30 - 8:30		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
8:30 - 10:00		Presentations	Presentations	Presentations	Presentations	Presentations	Departure to Lisbon airport
10:00 - 10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	at 8:30
10:30 - 12:30		Presentations	Presentations	Presentations	Presentations	Presentations	
12:30 - 14:00		Lunch Time (Buffet)	Lunch Time (Buffet)	Lunch Time (Buffet)	Lunch Time (Buffet)	Lunch Time (Buffet)	
14:00 - 15:30		Presentations	Presentations			Concurs to define the next	
15:30 - 16:00		Coffee Break	Coffee Break			Castle meeting organizer	
16:00 - 17:30	Departure from Lisbon Airport to Évora (16:30)	Presentations	Presentations	Alqueva Dam (boat trip), Monsaraz Village and	Posters session	Visit to a	
17:00 - 19:30	Hotel Check-in	Free Time	Free Time	dinner	MAGIBER workshop	winery, wine tasting and farewell dinner	
19:30	Welcome drink and	Dinner	Dinner		Dinner		
21:30	Dinner		Concert at Salvador Church				

Program of accompanying persons

Castle Meeting	Sunday August 31	Monday September 1	Tuesday September 2	Wednesday September 3	Thursday September 4	Friday September 5	Saturday September 6
7:30 - 8:30		Breakfast	Breakfast	Breakfast	Breakfast	Breakfast	Breakfast
9:00 - 12:30		Évora (Sé, Capela dos Ossos, Templo Romano)	Visit to the Village of Beja	Free Time	Visit to Vila- Viçosa (Paço Ducal and Castle)	Free Time	Departure to Lisbon airport at 8:30
12:30 - 14:00		Lunch Time (Buffet at hotel)	Lunch Time (Beja)	Lunch Time (Buffet at hotel)	Lunch Time (Elvas - Centro Histórico)	Lunch Time (Buffet at hotel)	
14:00 - 15:30		Free Time				Free Time	
15:30 - 16:00		Évora	S. Cucufate		Elvas (Roman		
16:00 - 18:00	Departure from Lisbon Airport to Évora	hystorical center with wine and regional sweets tasting	Roman Ruins	Alqueva Dam (boat trip), Monsaraz	Aqueduct, Forte da Graça)		
18:00 - 19:30	Hotel Check-in	Free Time	Free Time	Village and dinner (Jantar no Sem-Fim)	Free Time	Visit to a winery, wine tasting and	
19:30	Welcome	Dinner at hotel	Dinner at hotel		Dinner at hotel	farewell dinner	
21:30	drink and Dinner		Concert at Salvador Church (Évora)				

Program of oral communications

Monday (01/09)	
Session M1	Conveners: Muxworthy, A., and Kumari, M.
8:30	Madureira, P., (invited Talk) Searching mineral resources in ocean domains – the Portuguese case study
9:00	Carlut, J., (invited Talk) Interpreting the magnetic signature of serpentinized peridotites from Mid-Oceanic Ridges and ophiolites
9:30	Miranda J.M. and Luis J. (invited talk) Improved magnetic methods for plate kinematics
10:00	Coffee Break
Session M2	Conveners: Van der Voo, R. and Neres, M.
10:30	Silva, PF., Thermomagnetic analyses of oceanic basalts - Testing a new approach to differentiate oxidation degree from the primitive composition of titanomagnetites
10:50	Kontny, A., Magnetic properties and microstructures of ferrimagnetic minerals from impact structures and shock experiments
11:10	Halia, L.O.N., Magnetic properties of Sulawesi Ultrabasic Complex
11:30	Kletetschka, G., Paleomagnetism of Impact Glass
11:50	Alva Valdivia. L., Rock-magnetism, microscopy and quantitative magnetic interpretation of Las Truchas iron-ore mining district, Michoacan, Mexico
12:30	Lunch Time
Session M3	Conveners: Chadima, M., and Silva, PF
14:00	Georgiev, N. (Henry, B.), Emplacement and fabric-forming conditions of plutons from structural and magnetic fabric analysis: A case study of the Plana pluton (Central Bulgaria)
14:20	Moreira, M., Magma flow pattern in dykes of the Azores revealed by the anisotropy of magnetic susceptibility
14:40	Kusbach, V., Modeling of anisotropy of magnetic susceptibility: example from serpentinized peridotite
15:00	Machek, M., Complex flow in granite crystal mush evidenced by AMS, rock magnetism and microstructure (Castle Crags pluton, California)
15:20	Coffee Break
Session M4	Conveners: Henry, B. and Machek, M.
16:00	Hrouda, F., Modelling the AMS of SD Ferromagnetic Fraction: Significance for Inverse Magnetic Fabrics
16:20	Chadima, M., Safyr - a software for complex treatment of magnetic susceptibility data: from acquisition to presentation
16:40	Schmidt, V., Magnetic properties and anisotropy of Permian salt deposits in the North German Basin
17:00	Neres, M., Magnetic fabric in a Cretaceous sill (Foz da Fonte, Portugal): flow model and implications for regional magmatism.
17:20	Parés, J.M., Anisotropy of Magnetic Susceptibility (AMS) unlocks synsedimentary deformation kinematics at Pico del Aguila, Pyrenees, Spain
19:30	Dinner

Tuesday	
Tuesday (02/09)	
Session T1	Conveners: Coe R., and Sánchez E.M.
8:30	Van der Voo, R., (invited Talk) Paleomagnetism and global plate kinematics: reliability assessments and promising possibilities to augment the database
9:00	Brown, L. , 900 Ma Pole for Southwestern Baltica: Paleomagnetism of the Bjerkreim Sokndal Layered Intrusion, Rogaland Igneous Complex, Norway
9:20	Sánchez, E.M., A paleomagnetic and rock-magnetic study of Pliocene and Pleistocene lava flow sequences from the Lesser Caucasus (Southern Georgia)
9:40	Jelenska, M., Paleomagnetic and rock magnetic study of Lower Devonian sediments from Podolia, SW Ukraine: remagnetization problems
10:00	Coffee Break
Session T2	Conveners: Bonhel, H., and Font, E.
10:30	Henry, B., Paleomagnetic dating of continental geological formations: Strong diachronism evidenced in the Saharan platform and geodynamical implications
10:50	Berndt, T. (Ruiz, VC), New constraints on the evolution of the Gibraltar Arc from palaeomagnetic data of the Ceuta and Beni Bousera peridotites (Rif, northern Africa)
11:10	Calvin, P., New paleomagnetic study on Jurassic Gabbroic Rocks from the Central High Atlas (Morocco): structural implications
11:30	Merabet, N., Emplacement conditions, from geophysical investigations and field observations, of the Paleoproterozoic Tinguicht pluton (Yetti domain, Eglab shield, Algeria)
11:50	Moussaid, A.B. (Villalain, J.), Paleomagnetic and AMS study of the Taghleft inverted basin. Evidences of early compressional events in the High Atlas belt (North Africa).
12:30	Lunch Time
Session T3	Conveners: Goguitchaichvili, A., and Satolli, S.
14:00	Beamud, E., Magnetostratigraphic constraints on the timing of deformation in Frontal Fars Arc (Zagros Folded Belt, Iran)
14:20	Böhnel, H., Paleomagnetic dating of lava flows from Ceboruco volcano and surroundings, western Transmexican Volcani Belt
14:40	Herrero-Bervera, E., Reversal records recorded on long volcanic sequences along the Hawaiian Island chain: past, present and future perspectives
15:00	Pruner, P., Palaeogeography of Prague Basin in Silurian times (Wenlock–Ludlow): data from palaeomagnetic and geochemical research
15:20	Coffee Break
15:20 Session T4	Conveners: Aidona, E. and Arneitz, P.
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Session T4 16:00	Conveners: Aidona, E. and Arneitz, P. Shcherbakov, V.P., TCRM Induction And Thellier Experiments with Titanomagnetites
Session T4 16:00 16:20	Conveners: Aidona, E. and Arneitz, P. Shcherbakov, V.P., TCRM Induction And Thellier Experiments with Titanomagnetites Poidras, Th., FURÉMAG: A very fast-heating furnace dedicated to absolute paleointensity with the MSP-DSC protocol. Volk, M., Effect of Pressure on Paleointensities Goguitchaichvili, A., Variation of the Earth's Magnetic Field Strength in South America During the Last Two Millennia, New results from Historical Buildings of Buenos Aires and Re-
Session T4 16:00 16:20 16:40	Conveners: Aidona, E. and Arneitz, P. Shcherbakov, V.P., TCRM Induction And Thellier Experiments with Titanomagnetites Poidras, Th., FURéMAG: A very fast-heating furnace dedicated to absolute paleointensity with the MSP-DSC protocol. Volk, M., Effect of Pressure on Paleointensities

Wednesday	
(03/09)	
Session W1	Conveners: Hirt, AM., and Chadimova, L.
8:30	Appel, E., Low-temperature oxidation of magnetite reveals humidity variation in paleoclimate records of the Tibetan Plateau
8:50	Herb, C., Magnetic properties of late Pliocene-Pleistocene lacustrine sediments of the western Qaidam Basin (NE Tibetan Plateau): their use for detecting paleoenvironmental changes
9:10	Savian, J.F., Environmental magnetic expression of the MECO event in different oceanic basins
9:30	Font, E., Ocean acidification during the Deccan Phase-2
9:50	Moreno, E., Magnetic properties of marine sediments from the Bengal Fan: record of climatic changes during Holocene and turbiditic activity from the Gange-Brahmapoutre system
10:10	Coffee Break
Session W2	Conveners: Appel, E., and Grison, H.
10:30	Fabian, K., The GEMAS European background data set for magnetic susceptibility in agricultural soil
10:50	Szuszkiewicz, M., Magnetic properties of soil profiles – combination of geogenic, pedogenic, and anthropogenic signal
11:10	Cao, L., Quantification of map similarity to demonstrate the efficiency of magnetic pre-screening for heavy metal pollution assessment in top soil.
11:30	Dytłow, S.K., The use of magnetic method to study the spread of anthropogenic pollution in model soil profiles – preliminary results.
11:50	Magiera, T., Characteristics of technogenic magnetic particles from different sources of industrial and urban emissions
12:10	Górka-Kostrubiec, B., Indoor dust granulometry in aspect of magnetic properties of anthropogenic pollution.
12:30	Lunch Time
14:00	Departure to Monsaraz and Alqueva dam. Dinner

Thursday	
(04/09)	
Session Th1	Conveners: Spassov, S., and Moreira, M.
8:30	Rey, D., Geochronological value of environmagnetism in the study of late Pleistocene to Holocene near-slope marine sedimentary sequences of the NW Iberian Margin
8:50	Frančišković-Bilinski, S., Initial magnetic susceptibility measurements in sediments of Croatian and Slovenian rivers
9:10	Lévêque, F., High resolution 3D magnetic survey: limitations and archaeological applications
9:30	Silva, S., Magnetic field characterization for object detection – study case of Ocean Revival Park in Portimão, South Portugal
9:50	Lisé-Pronovost, A., Rock-magnetic and paleomagnetic study from the ancient harbor of Rome (Italy) during the first millennium AD
10:10	Coffee Break
Session Th2	Conveners: Villalain, J., and Volk, M.
10:40	Aidona, E., Middle Neolithic Period: New archaeomagnetic and thermoluminescence data from a pottery kiln at Magoula Imvrou Pigadi, SW Thessaly, Greece
11:00	Ech-chakrouni, S., Comparison of archaeomagnetic and ¹⁴ C datings of fireplaces discovered in a cremation necropolis of funerary urns in Belgium
11:20	Kapper, L., First archeointensity results from four types of ancient kilns excavated in Burkina Faso (West Africa)
11:40	Rodriguez-Ceja, M. (Camps, P.), Archeointensity determinations on Pre-Columbian potteries from La Ceiba and Santa Marta shelter-caves (Chiapas, Mexico).
12:00	Baptista, M.A., (invited Talk) Tsunamis - Challenges for tsunami research in Europe
12:30	Lunch Time
14:00 – 17:30	Poster Session – Conveners (Camps, P., and Herb, C.)
17:30 – 19:00	MAGIBER Workshop
19:30	Dinner

Friday	
(05/09)	
Session F1	Conveners: Fabian, K., and Bogalo, M.F.
8:30	Muxworthy, A., Understanding the effect of chemical alteration on palaeomagnetic signals
9:00	Petrovsky, E., Simplified core-shell model in assessing the size of superparamagnetic maghemite/magnetite particles
9:20	Hirt, A.M., Quantitative methods to analyse superparamagnetic and single domain mixtures of magnetite
9:40	McEnroe, S., Magnetism at Depth: Magnetic properties of granulite-facies rocks and rocks exhumed from the eclogite facies (> 120km). What do their properties tell us about
	magnetization in the deep crust?
10:00	Coffee Break
Session F2	Conveners: McEnroe, S., and Michels, A.
10:30	Fabian, K., Magnetic high-field studies of nanostructures in natural and synthetic ilmenite-hematite solid solutions
10:50	Robinson, P., Lamellar Magnetism in the Rhombohedral Oxides: How does it work?
11:10	Coe, R., The crucial role of continuous thermal demagnetization in the demise of the rapid-field-change hypothesis at Steens Mountain
11:30	Church, N.S., Needles in cumulate stacks: characterising magnetic recorders in layered intrusions
11:50	Spassov, S., Characterisation of viscous magnetisation with the induction coercivity meter
12:15	Lunch Time
14:00	Concurs to define the organizer of Castle Meeting 2016
15:30	Departure to the vineyard and dinner

Program of poster presentations

Thursday (04/09)	Poster Session (14:30 – 17:30) - Conveners (Camps, P., and Herb, C.)
P1	Aidona, E., Magnetic properties of sediment cores from Anthemountas basin (N. Greece) and their significance to the environmental history of the area
P2	Álvarez Posada, C., Paleomagnetic analysis of river terraces of the Arlanza, Arlanzón, and Duero rivers (N Spain) and chronological context
Р3	Arneitz, P., Comparison of direct and indirect geomagnetic records
P4	Bayou, B., Possible relationship between magnetic properties and heavy metal (HVs) pollution induced by the Pb-Zn mining at Boucaid, Tissemsilt, Algeria.
P5	Bogalo, M.F. , New rock magnetic results from Galería cave in the Atapuerca palaeoanthropological site (northern Spain). Influence of solar irradiation in the edaphic generation of superparamagnetic grains?
P6	Brown, L.L., Rock Magnetic Properties of the Chipman Dike Swarm, Athabasca Granulite Terrain, Canada: Possible Target for Paleomagnetic Studies?
P7	Bučová, J., Paleomagnetic results of Jurassic sediments in the Central Western Carpathians (Slovakia)
P8	Caccavari, A., A paleomagnetic and paleointensity study of a Miocene polarity transition in La Gomera (Canary Islands, Spain)
Р9	Calvo-Rathert, M., Paleointensity results from Lanzarote (Canary Islands) obtained with two different techniques
P10	Cao, L., Environmental study for pollution at Linfen and its change-magnetic monitoring of leaves and soil
P11	Chadimova, L., Frequency-dependent magnetic susceptibility of limestones: a case study from the Late Silurian shallow-water limestones (Teplá-Barrandian Unit, Prague Synform, Czech Republic)
P12	Das, P.K., Spatial pollution screening of the road-dusts within "The Bombay Arc", India: Magnetometry as a pollution proxy
P13	Das, P.K., Evaluation of rock-magnetic properties for the determination of metal pollution in the sedimentary core of the Kolleru lake, East coast of India
P14	Derder, M.E.M. , First Moscovian paleomagnetic pole, age-constrained by a fold test, from In Ezzane area in the Murzuq basin (Algeria, Stable Africa): Improvement of the Gondwana APWP
P15	Drago, T., (Silva PF), On the search of mass transport deposits on Southern Portuguese Margin - preliminary results
P16	Gendler, T.S., Magnetic and Mossbauer study of Fe-compounds in relicts of Iron Age slags in Denmark (reconstruction of historical iron smelting process)
P17	Gogorza, C.S.G., New Rock Magnetic and Paleomagnetic Information Obtained for southern Patagonia (Argentina)
P18	Gogorza, C.S.G., A multiproxy approach to reconstruct the environmental changes in Lago Toncek (Patagonia, Argentina): Preliminary studies
P19	Goguichaichvili, A., Full vector archaeomagnetic dating of a medieval limekiln at Pinilla del Valle (Madrid, Spain)
P20	Grison, H., Magnetic and geochemical characterization of volcanic soils developed on basalts in the Massif Central, France
P21	Heinrich, F.C., Magnetic properties and their mineralogical origin of salt rocks
P22	Herrero-Bervera, E., Full Vector (i.e. directional and relative paleointensity) results of the geomagnetic signature of the Pringle Falls excursion (ca 211+/-13 ka) recorded at Pringle Falls, Oregon USA
P23	Herrero-Bervera, E., Magnetostratigraphy and rock magnetic characterization of Baltic Sea IODP Expedition 347 Sites M0059 and M0060
P24	Irurzun, M.A., (Gogorza, C.S.G.) Preliminary Results of Relative Paleointensity Record of Sediments from Tajamar Formation, Valle De Lerma, Salta, Argentina
P25	Jeleńska, M., The role of organic matter in pollution catching in indoor dust
P26	Kapička, A., Magnetism of soils applied for estimation of erosion at morphologically diverse area
P27	Kubisova, L., Archeomagnetic investigation in Slovakia

P28	Kumari, M., Is 135° Ridge on The Lower Half of The First Order Reversal Curve Diagram an artifact?
P29	Lévêque, F., Magnetic enhancement of clay materials by heat treatment: role of environmental conditions
P30	Lopes, A. , Assessing climatic changes through environmental magnetic analyses of three sedimentary columns of the North Atlantic Ocean (between 29°N and 35°N)
P31	Lurcock, P.C., Palaeomagnetic dating of a Quaternary sediment core from the Tyrrhenian Sea
P32	Makaroğlu, Ö, Mineral Magnetic and Geochemical Properties of Kucukcekmece Lagoon (Western Anatolia)
P33	Mendakiewicz, M., Technogenic magnetic particles in soils as an evidence of historical human activity
P34	Menshov, O., Magnetic investigations in Carpathian Foredeep of Ukraine
P35	Michels, A., Characterization of the magnetic properties of the Leka Ophiolite Complex
P36	Mohamed K.J., Controls on the magnetic properties of sediments from the NW Iberian Margin
P37	Necula, C., Reconstruction of superparamagnetic particles grain size distribution from Romanian loess using frequency dependent magnetic susceptibility and low temperature Mossbauer spectroscopy
P38	Oliva-Urcia, B., Magnetic proxies in continental records; what are they telling about environmental changes?
P39	Panaiotu, C.G., Paleosecular variation in the last 6 Ma recorded by lava flows from the East Carpathians (Romania)
P40	
P41	Roxerová, Z. (Machek, M.) AMS of deformed hematite in torsion
P42	Satolli, S., Jurassic magnetostratigraphy from the Northern Apennines (Italy)
P43	Shcherbakova, V.V., Estimating the Variations in Paleointensity from the Siberian Traps of Maimecha-Kotui and Norilsk Region
P44	Silva, PF., Paleomagnetic and magnetic study of Faial-Pico ridge (Azores Archipelago)
P45	Silva, S., Heading Error of Andrómeda's class hydrographic survey vessels
P46	Soler-Arechalde, AM., (Goguichaichvili, A.), A Detailed Record of Brunhes-Matuyama Geomagnetic Reversal in Tlalpan Paleosols (Central Mexico)
P47	Tema, E., (Goguichaichvili, A.) Dating of ancient baked clays: A combined archaeomagnetic and thermoluminescence analysis applied to a brick workshop at Kato Achaia, Greece.
P48	Tema, E., (Camps, P.) Full geomagnetic field determination of two brick kilns, Osterietta (Northen Italy).
P49	Veselovskiy, R., Paleomagnetism and geochronology of the Devonian dykes, Kola Peninsula
P50	Veselovskiy, R., New constraints on duration and rate of the Siberian traps volcanism based on a new high detailed paleomagnetic data
P51	Villalain, J.J., New paleomagnetic records of the cretaceous remagnetizations in eastern Iberia (Maestrat Basin).
P52	Werner, T., Synfolding remagnetization of Permian redbeds and synfolding magnetization of Jurassic limestones and tectonic reconstructions in Permian and
	Jurassic rocks in Dinarides (Croatia)
P53	Werner, T., Effects of the coring and sampling techniques on the palaeomagnetic record and magnetic fabric in the Tertiary and Quaternary preglacial
	sediments (Różce profile, Grójec area, Mazovian, Poland) – preliminary interpretations
P54	Yang, T., Rock magnetic properties of fault rocks from the rupture of the 2008 Wenchuan earthquake, China and their implications for seismic faulting
P55	Zhidkov, G.V., To the determinations of absolute paleointensity on contemporaneous flows from Kamchatka and Antarctica