



**01/07/2019**

**Anfiteatro do CENIMAT**



**FCT** FACULDADE DE  
CIÊNCIAS E TECNOLOGIA  
UNIVERSIDADE NOVA DE LISBOA

# PROGRAMA

10h30-10h55	<b>Recepção / visita dos posters</b>	
10h55-11h00	<b>Introdução</b>	
11h00-11h20	Tin sources and bronze production in NW Iberia in ancient times.	E. Figueiredo, E. Meunier, R.J.C. Silva, J.P. Veiga
11h20-11h40	Evolutions in mining between the second Iron Age and the beginning of the Roman Period in South-Western Gaul. The case of the Pyrenean district for argentiferous copper of the Arize Massif.	E. Meunier
11h40-12h00	Portuguese silver from the 15th to the 17th century, the 11 dinheiros silver coins.	R. Borges
12h00-12h20	From industry to amateurs: the Sacavém Ceramic Factory (Sacavém, Portugal) and 19th century amateurs china painters.	M.L. Coutinho, T. Pereira da Silva, J. Mirão, J.P. Veiga
12h30-14h00	<b>Intervalo de almoço</b>	
14h00-14h20	Roman construction lime in Conimbriga, Portugal — from production to alteration.	A.P. Rodrigues, F. Carvalho, R.J.C. Silva, V.H. Correia, J. Coroado, L.M. Ferreira, J.P. Veiga
14h20-14h40	Additive Fabrication of Anepeptic Meshes.	J. S. Raminhos, J. P. Borges, A. Velhinho
14h40-15h00	Barium titanate based piezoelectric ceramics for bone regeneration.	D. B. Moniz, Andreia A. S. Lopes, C. Henriques, J. C. Silva, J.P. Borges, M. C. Lança, M.M.R.A. Lima
15h00-15h30	<b>Intervalo</b>	
15h30-15h40	In situ structural characterization of functionally graded Ni-Ti shape memory alloy during tensile loading	F.M. Braz Fernandes, E. Camacho, P.F. Rodrigues, P. Inácio, T. Santos, N. Schell.
15h40-16h00	Dissimilar laser welding of NiTi to Ti6Al4V - weldability issues and their mitigation.	J.P. Oliveira, B. Panton, Z. Zeng, C. M Andrei, Y. Zhou, R.M. Miranda, F.M. Braz Fernandes
16h00-16h20	Wire and Arc Additive Manufacturing of HSLA Steel.	T.A. Rodrigues, V. Duarte, T. G. Santos, R.M. Miranda, J.P. Oliveira
16h20-16h30	<b>Encerramento</b>	

# Comunicações orais

Tin sources and bronze production in NW Iberia in ancient times. E. Figueiredo, E. Meunier, R.J.C. Silva, J.P. Veiga

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Wire and Arc Additive Manufacturing of HSLA Steel. T.A. Rodrigues, V. Duarte, T.G. Santos, R.M. Miranda, J.P. Oliveira

# Comunicações por poster

Structural Materials Research Group (rol-up)		
1	Characterization of black crusts in the Palace of Knossos, Crete, Greece	F. Carvalho, A. Curulli, E. Kavoulaki, E. Politaki, E. Katsaveli, A. Dokometzidis, M.M.R.A. Lima, G. Montesperelli, S. Ronca, H. Águas, G. Padeletti, J. P. Veiga
2	Efflorescence and crusts in Cultural Heritage from the island of Crete	F. Carvalho, A. Curulli, E. Kavoulaki, E. Politaki, E. Katsaveli, A. Dokometzidis, A. Psaroudaki, M. M. R. A. Lima, G. Montesperelli, S. Ronca, H. Águas, G. Padeletti, J. P. Veiga
3	Synchrotron radiation-based X-ray diffraction applied to the study of Roman tesserae	A.P. Rodrigues, F. Carvalho, V.H. Correia, J. Coroado, L.M. Ferreira, J.P. Veiga, N. Schell, R.M.S. Martins
4	Mortars and binders from built cultural heritage: Analytical techniques in the characterization of ancient materials	P. Sousa, F. Carvalho, M. M. R.A. Lima, A. A.S. Lopes, T. P. da Silva, E. Kavoulaki, H. Águas, J. P. Veiga
5	XANES investigation of the yellow Sb-Pb pigment used in colour mixtures in Portuguese ceramics during the 18-19th centuries	M. Larsson Coutinho, T. Pena da Silva, E. Figueiredo, E. Salas-Colera, J.P. Veiga
6	XANES investigation of the yellow Sb-Pb pigment used in colour mixtures in Portuguese ceramics during the 18-19th centuries	M. L. Coutinho, T. Pena da Silva, E. Figueiredo, E. Salas-Colera, J.P. Veiga
7	Multi-analytical approach to the characterization of mortars from Roman mosaics: a case-study from Conimbriga, Portugal	A.P. Rodrigues, F. Carvalho, R.J.C. Silva, L.C. Alves, V.H. Correia, J. Coroado, L.M. Ferreira, J.P. Veiga
8	Mining heritage as a source of knowledge on secondary iron sulphates formed in abandoned mines	T. P. Silva, J. P. Veiga
9	Mineralogical characterization of the Algares 30-level addit for cultural tourism, Aljustrel mine, Iberian Pyrite Belt	T. P. Silva, J. X. Matos, D. de Oliveira, I. Morais, P. Gonçalves, L. Albardeiro, J. P. Veiga
10	Overview of hazardous elements present in incrustations resulting from the 2014-15 eruption of Fogo volcano, Cape Verde	T. P. Silva, D P S de Oliveira, J.P. Veiga, Á. P, Candeias C, Salas-Colera E, Caldeira R
11	Bronzes with high tin content: long term corrosion evolution.	A.S. Saraiva, E. Figueiredo, R.J.C. Silva.
12	Study of a pair of gold earrings attributed to Late Bronze Age by SEM-EDS and optical microscopy.	E. Figueiredo, R.J.C. Silva, R. Borges, A.M. Silva
13	Tomographic image analysis of reinforcement distribution in composites using a flexible and material's specialist-friendly computational environment.	F. Birra, M. Encarnação, A. Lopes, P. Medeiros, N. Oliveira, B. Preto, P. Quaresma, A. Velinho
14	Mechanical properties and fatigue behaviour of the Ti10Ta alloy.	C. Valente, J. Leunda, T. Morgado, A. Velinho
15	Functional fatigue in functionally graded shape memory alloys.	F.M. Braz Fernandes, E. Camacho.
16	Modelling a functional gradient in shape memory alloy wires.	F. Amarante Santos, J. Cardoso, E. Camacho, A. Velinho, F. M. Braz Fernandes
17	Thermomechanical Behaviour Of Shape Memory Rivet - In Situ Study.	F. M. Braz Fernandes, E. Camacho, P.F. Rodrigues, N. Schell
18	Functionally Graded Orthodontic Archwires - Production And Characterization.	F. M. Braz Fernandes, P.F. Rodrigues, R. Magalhães, E. Camacho, P. Inácio, T. Santos, N. Schell
19	Optimization of the mechanical activation process of NiTi alloys.	X. Zhao, F. Neves, J. B. Correia, K. Liu, F. M. Braz Fernandes, V. Koledov, S. von Gratowski, S. Xu, J. Huang
20	Shape memory alloy-based composites fabricated by severe plastic deformation.	F.M. Braz Fernandes, E. Camacho, C. Marcu, C. Gurau, G. Gurau
21	Synthesis and characterization of Cu <sub>12-x</sub> Yz <sub>n</sub> FeySb <sub>4</sub> S <sub>13-z</sub> tetrahedrites	F. Neves, L. Esperto, I. Figueira, J. Mascarenhas, J. B. Correia, H. Ferreira, E.B. Lopes, A.P. Gonçalves
22	Influence of protective atmosphere on the mechanical properties of 420 Stainless Steel (AISI) processed by Selective Laser Melting	D. Gatões, R. Alves, H. Reis Marques, A. Mateus, M.T. Vieira
23	MINEHERITAGE: Tracing and learning from ancient materials and mining technology (roll up)	J.P. Veiga
24	A philatelic overview of X-rays, crystals and X-ray diffraction. F.M. Braz Fernandes	F.M. Braz Fernandes