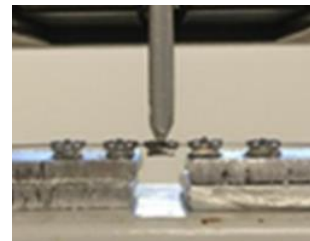
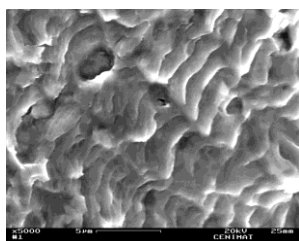
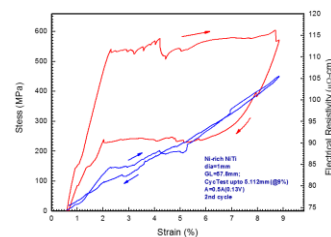
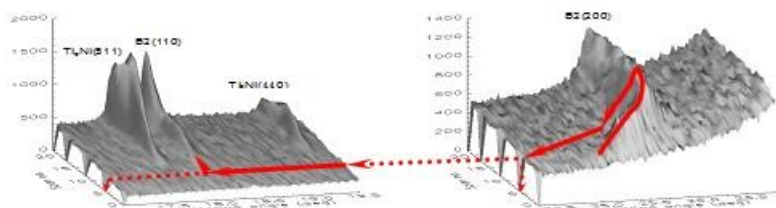
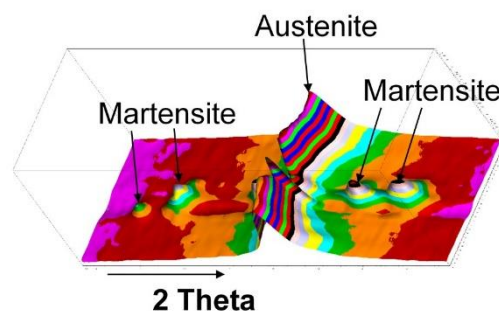
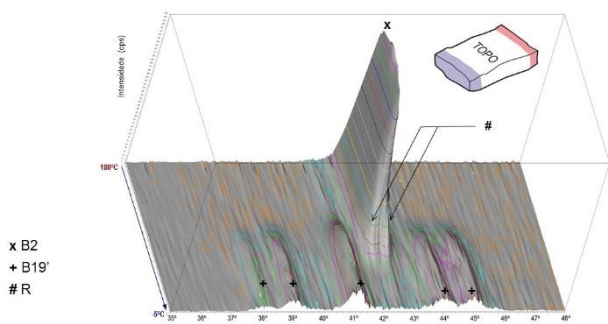


Workshop on Shape Memory Alloys

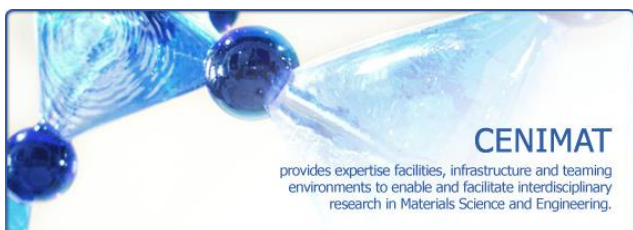
Processing, Properties and Applications

CENIMAT, 23/07/2015



FCT FACULDADE DE
CIÊNCIAS E TECNOLOGIA
UNIVERSIDADE NOVA DE LISBOA

MIDAS
Micro and Nanoscale Design of
Thermally Actuating Systems



PROGRAMA

Autor(es)	Instituição	Apresentação	Hora
F.M. Braz Fernandes	CENIMAT	Abertura. Apresentação do projecto MIDAS	10h00 - 10h15
F.M. Braz Fernandes	CENIMAT	SMAs at CENIMAT	10h15 - 10h45
Andersan S. Paula	IME / MIDAS	Produção de arames e chapas de NiTi	10h45 - 11h15
Coffee Break / Posters			11h15 - 11h45
Xingke Zhao	USTB / MIDAS	Some Studies in Joining of NiTi alloys	11h45 - 12h15
Raffaella Magalhães	CENIMAT	Aplicação de arames de NiTi em ortodontia	12h15 - 12h45
Almoço Livre			12h45 - 14h00
João Pedro Oliveira Rosa Miranda F.M. Braz Fernandes	CENIMAT UNIDEMI	NiTi laser welding	14h00 - 14h30
André Cavaleiro Ana Sofia Teresa Vieira F.M. Braz Fernandes	CEMUC CENIMAT	Ni/Ti reactive multilayers for joining NiTi shape memory alloys to Ti alloys	14h30 - 15h00
Coffee Break / Posters			15h00 - 15h30
Filipe Neves	LNEG	Processing of Ni-Ti alloys by Powder Metallurgy	15h30 - 16h00
F.M. Braz Fernandes	CENIMAT	Conclusões. Encerramento.	16h00 - 16h15

Posters

Ana Alves João Pedro Oliveira F.M. Braz Fernandes	CENIMAT	Analysis of the effect of heat treatment on endodontic files	P1
Fernando Ferreira Telmo Gomes dos Santos João Pedro Oliveira F.M. Braz Fernandes	CENIMAT UNIDEMI	Production and characterization of functionally graded materials from NiTi shape memory alloys	P2
Edgar Camacho João Pedro Oliveira F.M. Braz Fernandes	CENIMAT	Aplicação de ligas com memória de forma a processos de união	P3
Joana Cruz Rafaella Magalhães F. M. Braz Fernandes	CENIMAT	Comparative Study of NiTi Orthodontic Wires	P4
Barbey Harold João Pedro Oliveira Rafaella Magalhães F. M. Braz Fernandes	CENIMAT	The use of NiTi and NiTiCu in orthodontic wires	P5
André Cavaleiro Ana Sofia Ramos F. M. Braz Fernandes C. Baehtz Teresa Vieira	CEMUC	NiTi formation from Ni/Ti multilayers: Thermal cycle vs. reaction temperature	P6
Rui M.S. Martins N. Barradas E. Alves D. Henke H. Reuther N. Schell M.J. Carmezim T.M. Silva J.C.S. Fernandes	IST CENIMAT HZDR HZG	Ni-Ti surface with depressed nickel concentration prepared by plasma immersion ion implantation	P7
F.M. Braz Fernandes João Pedro Oliveira	CENIMAT	Strain monitoring with NiTi SMA: principles and applications	P8
Patricia F Rodrigues F. M. Braz Fernandes Edir N. T. Shimeni Ribeiro Andersan S Paula	CENIMAT UNIFOA UFF IME	Aging treatment of forged wires of NiTi (Ni-rich) alloy for superelastic applications.	P9
V. Koledov, V. Shavrov, A. Zhikharev, G. Martynov, A. Palicyna, A. Kamansev, P. Lega, M. Polupanova, A.N.Redkin, E.E.Yakimov, M.V.Ryjova, S. Gratowski, N. Tabachkova, A. Irzhak, A. Shelyakov	Russian Academy of Sciences, Moscow, Russia Innowledgement GmbH, Dortmund, Germany National University of Science and Technology, Moscow, Russia National Research Nuclear University MIFI", Moscow, Russia	Structure and morphology of the Zn _x Mg _{1-x} O nanowires studied using shape memory composite nano-tweezers	P10

Hora		
10h00	Abertura	
10h15	Distribuição documentação / Apresentação MIDAS	
10h15	Oral1	
10h45		
10h45	Oral2	
11h15		
11h15	Coffee Break / Posters	
11h45		
11h45	Oral3	
12h15		
12h15	Oral4	
12h45		
12h45	Almoço livre	
14h00		
14h00	Oral5	
14h30		
14h30	Oral6	
15h00		
15h00	Coffee Break / Posters	
15h30		
15h30	Oral7	
16h00		
16h00	Encerramento	
16h15		