

Education, Training & Conference Organization



Reactor

Graduation and Post-graduation teaching

J.G. Marques, Professor of “Técnicas Nucleares”, B.Sc. in Engenharia Física, Univ. Lisboa.

J.G. Marques, Co-professor of “Radioquímica: Fundamentos e Técnicas”, M.Sc. in Química Inorgânica Biomédica - Aplicações em Diagnóstico e Terapia, Faculdade de Ciências, Univ. Lisboa.

N.P. Barradas, Co-professor of “Radioquímica: Fundamentos e Técnicas”, M.Sc. in Química Inorgânica Biomédica - Aplicações em Diagnóstico e Terapia, Faculdade de Ciências, Univ. Lisboa.

M.C. Freitas, 1 week IAEA expert mission to CNEA-Nuclear Analytical Techniques, Buenos Aires, Argentina, to teach and implement k0 methodology.

M.C. Freitas, IAEA fellowship training of Mr. Thomas Kuanda Solo (C6/ZAI/05015) for 2 months.

Conference organization

N.P. Barradas, Organizer of Session “Ion beam analysis: theory and simulation” in CAARI 2006: 19th Int. Conf. on Application of Accelerators in Research and Industry, 20-25 Aug. 2006, Fort Worth, USA.

N.P. Barradas, Programme Committee of MNE2006 - 32nd Int. Conf. on Micro- and Nano-Engineering, 17-20 Sept. 2006, Barcelona, Espanha.

Training courses

M.C. Freitas, 2 weeks IAEA scientific visit within TC POR/6/004 in CENA/São Paulo Univ., Piracicaba, Brazil, for Compton suppression associated to Neutron Activation Analysis.

M.C. Freitas, 1-week visit under the Slovenia-bilateral collaboration in Jozef Stefan Institute, Ljubljana, Slovenia, for learning k0 IAEA program using direct in\section of digital spectra.

M.C. Freitas, 2 weeks IAEA nominal consultancy within TC POR/6/004 in Middle East Technical Univ., Ankara, Turkey, to learn air masses trajectories.

I. Dionísio, 2 months IAEA fellowship training (TC POR/6/004) in CENA/ São Paulo Univ., Piracicaba to analyse filters from Terceira island, Azores, by Compton suppression neutron activation analysis.

S. Sarmento, XIV Summer School of Experimental Nuclear Physics Jorge Andre Swieca. Instituto de Pesquisas Energéticas e Nucleares IPEN/CNEN, São Paulo, 13-24 Feb. 2006.

S. Sarmento, Dep. Radiation, Radionuclide & Reactors Section RIH, Faculty of Applied Sciences, Technical Univ. Delft. 2 Aug.-18 Dec. 2006.

M. Ventura, 2 months IAEA fellowship training at Institut Jozef Stefan, Ljubljana, Slovenia.

Ciência Viva

A.R. Ramos, supervisor of J.P.B. Coelhas, Fabricação e teste de detectores de neutrões, 3-11 July 2006.

A.R. Ramos, supervisor of R. Teixeira, Fabricação e teste de detectores de neutrões, 3-11 July 2006.

Jury membership

J. Antunes, Arguing member of a PhD Thesis on Mechanical Engineering, “Study of the Self-Excited Jet Mechanism in the Time-Domain”, by Joan Puig i Ortiz, *Polytechnic University of Catalonia*, Barcelona, 16th May 2006.

J. Antunes, Arguing member of a PhD Thesis on Mechanical Engineering, “Noise Source Identification for Ducted Fans”, by Gareth Bennett, *Trinity College*, Dublin, 21st August 2006.

Radiological Protection and Nuclear Safety

Graduation and post-graduation teaching

C. Oliveira, Technical Univ. Lisbon, Physics Dep., Advanced Course in Safety and Radiological Protection., Disciplines: “Monte Carlo Introduction”, 1st semester, “Dosimetry”, 2nd semester.

C. Oliveira, Invited Coordinator Prof., Biophysics, 1^o semester, School of Health Technologies of Lisbon.

I. Paiva, Co-Professor, Radiological Protection and Radioactive Waste Management Advanced Course in

Civil Protection – Natural and Technological Risks (FCL/ISEL/ITN), 2nd semester.

I. Paiva, Invited Professor, Radiological Protection and Radioactive Waste Management, Advanced Course on Safety and Radiological Protection (IST/ITN), 2nd semester.

I. Paiva, Co-Professor, Radiological Protection and Radioactive Waste Management, MSc on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications (FCUL/ITN), 2nd semester.

R. Trindade, Co-Professor, Radiological Protection and Radioactive Waste Management, MSc on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications (FCUL/ITN)

R. Trindade, Co-Professor, Radiological Protection and Radioactive Waste Management, Advanced Course in Civil Protection - Natural and Technological Risks (FCL/ISEL/ITN), 2nd semester.

R. Trindade, Co-Professor, Radiological Protection and Radioactive Waste Management, MSc on Safety and Radiological Protection (IST/ITN-DPRSN), 2nd semester.

D. Oliveira, Co-Professor, Protection, Safety and Dosimetry, MSc in Química Inorgânica Biomédica – Aplicações em Diagnóstico e Terapia, Faculty of Sciences, Univ. Lisbon.

N.R. Pinhão, Identification and quantification of radionuclides in different matrices by gamma spectrometry, Advanced Graduation Course of a PhD program in FCUL, Univ. Lisbon.

M. Neves, Training of PhD students in therapeutic radiopharmaceuticals, under a Marie Curie EU-program, Institute of Nuclear Chemistry and Technology, Warsaw, Poland, 3 Sept.- 3 Nov.

Lectures given by ITN staff

J. G. Alves, “Dose Assessment” and “Workplace Monitoring”, in Regional Training Course on Assessment of Occupational Exposure due to External Radiation Sources, organized by CIEMAT and IAEA, CIEMAT (Madrid, Spain) 16-27 Jan. 2006

M. Neves, Therapeutic radiopharmaceuticals, Research Centre Polatom, Swierk, Poland, 12 Oct.

M. Neves, Therapeutic radiopharmaceuticals, Dep. Radiochemistry, Institute of Nuclear Chemistry and Technology, Warsaw, Poland, 16 Oct. 2006

M. Neves, Therapeutic radiopharmaceuticals, Institute of Nuclear Physics, Krakow, Poland 25 Oct.

M. Neves, Radiations in Medicine and Biology. Institute of Nuclear Chemistry and Technology, Warsaw, Poland 26 Oct.

F.P. Carvalho, Environmental radioactivity in the regions of past uranium mining. Jornadas de Investigação, Instituto Nacional de Saúde Dr Ricardo Jorge (INSA), Lisbon, 23 Feb.

A.D. Oliveira, Physics and Dosimetry of Ionizing Radiations, external courses: ITN, workers of “MSF”, 21 April.

Pego, workers of Central Termoelétrica, 10 May

Seixal, workers of Siderurgia Nacional, 10 March

Maia, workers of Siderurgia Nacional, 15 Nov.

Sacavem, workers of Aeroporto de Faro, 24-25 May

A.D. Oliveira, invited lectures: Introduction to Radiologic Protection; Physics and Dosimetry of Ionizing Radiations; Imaging, Detectors and Physical Quantities; Radiation Biology Effects; X- rays and Safety of facilities; Radiologic Protection of the patient; in Radiation Protection in Imagiology course, Centro Hospitalar Cova da Beira, Covilhã, 5 Dec.

M.B. Martins, Biological Effects of Radiations, in Radiation Protection Training Course:

ITN, 08 and 15 March (Rosas Construtores)

ITN, 21 April (Moniz da Maia Serra e Fortunato)

Pego, 10 May (Central Termolétrica)

ITN, 24 May (Aeroporto de Faro)

Paio Pires, 20 May- (Siderurgia Nacional)

Maia, 15 Nov (Siderurgia Nacional)

L. Portugal, Radiological Protection Fundamentals and Radiological Emergencies and Intervention, in Radiation Protection Training Course:

Seixal, 7-10 Mar.& 30-31 May (Siderurgia Nac)

ITN, 21 April (Moniz da Maia Serra e Fortunato)

Pego, 10 May (Central Termoelétrica)

ITN, 24 -25 May (Aeroporto de Faro)

Maia, 15-Nov (Siderurgia Nacional)

L. Portugal, “Safety in X-ray Imaging: Occupational Radiation Protection and Radiological Emergencies” Centro Hospitalar da Beira, Covilhã, 5-7 Dec.

R.Trindade, “Radiation Protection Fundamentals” Seixal, Siderurgia Nacional workers, 7-10 March

R. Trindade “Safety in X-ray Imaging: Radiation Protection Fundamentals” Centro Hospitalar da Cova da Beira, Covilhã, 5 -7 Dec.

J. Abrantes, “Evaluation of total alpha and total beta activity in water. Computation of the minimum detectable activity and upper limit of detection on simultaneous measurement of alpha and beta activity.” ITN, Sept.

J. Cardoso, Detection and Measurement of Ionizing Radiation. Radiation Protection Training Course: ITN, 21 April

Pego, 10 May (Central Termoelétrica do Pego)

ITN, 24 May

Seixal, 30 May, Siderurgia Nacional.

Maia, 15 Nov., Siderurgia Nacional

Course organisation

L. Santos, Quality System Audit. Electric Measurements Lab., INETI, Lisbon, 11 Dec. 2006

Jury membership

M.J. Reis, PhD thesis by F.C. Conde, Um Estudo Biometeorológico em São Paulo – Elaboração de um Índice de Risco Meteorotrópico (IRM) sobre a Morbilidade por Doenças Respiratórias na Cidade de São Paulo, Univ. Évora, Nov. 2006

Chemistry

Graduation and post-graduation teaching

M.I. Prudêncio, Invited Prof., Chemistry and Biochemistry Dep., Univ. Lisboa, Master Course on Biomedical Inorganic Chemistry: Imaging and therapeutical applications, discipline: Radiochemistry: fundamentals and techniques, Lecture on "Determination of Absolute Activity of radionuclides and radionuclide purity/gamma spectrometry".

A. Pires de Matos, Invited Full Professor, Dep. de Conservação e Restauro, Univ. Nova de Lisboa, coordinator of the courses: Instrumental Analysis I and II, and Diagnostic and Conservation of Ceramics and Glass.

J. P. Leal, Invited Professor, Dep. de Química e Bioquímica, Univ. Lisboa, responsible for the courses: Resources for Chemistry Teaching (MSc), and Some Topics of Molecular Spectroscopy (Graduation).

J. Marçalo, lecture on Radiochemistry in the discipline of Biochemistry Analysis II, Dep. de Química, Universidade de Évora.

J. Marçalo, lectures on Radiochemistry and Mass Spectrometry in the discipline of Analytical Methods I, Dep. de Conservação e Restauro, Universidade Nova de Lisboa.

P. Campello, *f*-Elements Chemistry, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, 2005-2006, Lisboa, Jan. 2006.

J.D.G. Correia, Module "Iodination of Organic Molecules", discipline Radiochemistry: Fundamentals and Techniques; *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Nov. 2006.

J.D.G. Correia, Module "Radiopharmaceuticals for PET" of the discipline Radiochemistry: Fundamentals and Techniques; *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Nov. 2006.

L. Gano, Invited Professor at *Faculty of Pharmacy, Univ. Lisboa*, discipline: Radiopharmacy, 1st semester.

L. Gano, Invited Professor at the Post-Graduation European Radiopharmacy Course *CEA INSTN*, Saclay, France, Nov. 2006.

L. Gano, Radionuclides in Biology, and Medicine/Synthesis and Formulation of Radiopharmaceuticals/Mechanisms of Action and Quality Control of Radiopharmaceuticals, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Dec. 2006.

F. Marques, Interaction of Radiation with Matter, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, 2006-2007, Lisboa December 2006.

A. Paulo, Biomedical Applications of Radionuclides, Part I, PhD Teaching Programme *ITQB*, UNL, Oeiras, April 2006.

A. Paulo, Invited Coordinator Professor at *School of Health Technologies of Lisbon*, Disciplines: Radiopharmacy I (2nd year, 2nd Semester) and Radiopharmacy II (3rd year, 1st Semester).

A. Paulo, L. Gano, F. Marques, *Training on Radiopharmacy* at ITN, Graduation Course on Nuclear Medicine, ESTeSL, 13-24 Feb. 2006.

A. Paulo, Module Radionuclide Generators of the Discipline Radiochemistry: Fundamentals and Techniques; *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Nov. 2006.

A. Paulo, Modules Chemistry of Elements of Groups 11 and 13 and Boron Chemistry/BNCT, discipline Medicinal Inorganic Chemistry II, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Lisboa, Dec. 2006.

A. Paulo, Responsible for the discipline Medicinal Inorganic Chemistry I, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Dec. 2006.

I. Santos, Biomedical Applications of Radionuclides, Part II, PhD Teaching Programme *ITQB*, UNL, Oeiras, April 2006.

I. Santos, Medicinal Inorganic Chemistry II, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, 2005-2006, Lisboa, Jan. 2006.

I. Santos, Synthetic Chemistry, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, Lisboa, 2006.

I. Santos, Introduction to the *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, Third Edition, *Deliberação nº 723/2004 de 26 de Janeiro*, DR nº 123 de 26/05/2004, II série, 2006-2007.

I. Santos, Medicinal Inorganic Chemistry II, *Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications*, ITN/FCUL, 2006-2007, Lisboa, Dec. 2006.

M.F. Araújo, Invited Professor, Lectures on "Energy Dispersive X-ray Fluorescence Spectrometry", one semester course "Advanced Methods of Analysis and

Hyphenated Techniques” of MSc “Applied Analytical Chemistry”, FCUL.

M.F. Araújo, Invited Professor, Lectures on “Energy Dispersive X-ray Fluorescence Spectrometry” in the one semester course on “Analytical Methods I” and “Analytical Methods II” for the graduation in “Conservation and Restoration”, FCT-UNL.

M.F. Araújo, Invited Professor, Lectures on “Archaeometry” of MSc course “Archaeology and Prehistory”, FL-UL.

M.F. Araújo, Invited Professor, Lectures on “Chemical and Environmental Hazards” of MSc course in “Civil Protection”, ISEL and FCUL.

M.F. Araújo, Invited lecture on “Geochemical characterization of fine sediments from the Portuguese shelf”, in the one semester course on “Case Studies” of the MSc in “Applied Geology”, FCUL.

P.M. Carreira, Invited Professor, Lectures in the framework of “Chemical and Environmental Hazards” of the MSc in “Civil Protection”, ISEL and FCUL.

P.M. Carreira, Invited lecture on “Environmental Isotopes of Oxygen, Hydrogen and Carbon Applied to Hydrology and Palaeoclimatic Studies”, in the one semester course in “Case Studies” of the MSc in “Applied Geology”, FCUL.

E. Figueiredo, Invited lecture in “Archaeometallurgy – case studies”, in “Bronze Age” course of the MSc in “Archaeology and Prehistory”, FL/UL.

E. Figueiredo, Lectures on “Energy Dispersive X-Ray Fluorescence and Micro-Fluorescence Analysis in Archaeometallurgy” in the one semester project “Analytical Methods II” for the graduation in “Conservation and Restoration”, FCT-UNL.

A.M.M. Soares, Invited Professor, Lectures on “Archaeometry” in the MSc in “Archaeology and Prehistory”, FL-UL.

A.M.M. Soares, Invited Professor, Lecture on “Radiocarbon dating” in the one semester course on “Art and Artefact Analysis” for MSc in “Chemistry Applied to the Cultural Heritage”, FCUL.

P. Valério, Invited Professor, Lecture on “Archaeometallurgy” in the one semester course on “Art and Artefact Analysis” for the MSc in “Chemistry Applied to the Cultural Heritage”, FCUL.

P. Valério, Lectures on “Energy Dispersive X-Ray Fluorescence and Micro-Fluorescence Analysis in Archaeometallurgy”, one semester project “Analytical Methods II” for the graduation in “Conservation and Restoration”, FCT-UNL.

P. Valério, Invited lecture on “Archaeometallurgy – case studies” in “Bronze Age” course of the MSc in “Archaeology and Prehistory”, FL-UL.

Lectures given by ITN staff

M.I. Prudêncio, *Actividades do ITN nos domínios de métodos nucleares de análise e datação absoluta (TL-OSL)*. IUX, Coruña, Spain, 5-6 June 2006.

M.I. Dias, *Datação absoluta por luminescência (TL-OSL)*. IUX, Coruña, Spain, 5-6 June 2006.

M.I. Prudêncio. *Assessment of global radioactivity and identification and quantification of radionuclides in natural clays. "Clays and Health - Benefits and Risks"*, APA Meeting, Aveiro, Portugal, 27 May 2006.

A.P. Gonçalves, *Novos materiais para aplicações termoelétricas*, Dep. Engenharia de Materiais, Instituto Superior Técnico, Lisboa, 23 Nov. 2006.

A. Pires de Matos, *O Vidro e a Cor*, Palestras sobre Vidro e Arte, Faculdade de Belas-Artes, Universidade de Lisboa, 14 Nov. 2006.

Course Organisation

Co-ordination of the Master Course on *Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications, 2nd Edition (2005-2006) (D.R. nº 123 of 26/05/04, II série)*, Organizer: I. Santos

Selection of Candidates and Co-ordination of the Master Course on *Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications, Third Edition (2006-2007)*, Organizer: I. Santos

Adjustment of the Master Course on Biomedical Inorganic Chemistry: Diagnostic and Therapeutical Applications to the Bolonha Agreement, Oct. 2006, Organizer: I. Santos

Conference organisation

G. Cardoso, M.I. Prudêncio, M.I. Dias, Colloquium organizer C 69 - “*Luminescence dating techniques: a user’s perspective*”. XV Congress of the International Union for Prehistoric and Protohistoric Sciences, UISPP, Lisbon, 4–9 Sept. 2006.

M.F. Araújo, Organizing Committee of 5th Symp. on the Iberian Atlantic Margin, Univ. Aveiro, Portugal, 2-4 Nov. 2006.

P.M. Carreira, Scientific Committee of 2nd Iberium Forum on Thermal and Bottled Waters, Instituto Superior de Engenharia do Porto, Portugal, 22-24 Nov. 2006.

P.M. Carreira, Organizing Committee of XXXV IAH Congress – Groundwater and Ecosystems, FCUL, Lisbon, Portugal, 17-21 Sep. 2006.

A.M.M. Soares, Scientific Committee of Workshop on “*Medição do tempo com isótopos radioactivos*”, Museu de Arqueologia e Etnografia do Distrito de Setúbal, Setúbal, Portugal, 7 Dez. 2006.

I. Dias, M.I. Prudêncio, organizers of colloquia: i) *The contribution of Archaeometry to the understanding of Bell Beakers phenomenon*; ii) *Archaeometry – Characterization of pottery. Sampling and analytical*

protocols and data interpretation; iii) Luminescence dating techniques: a user's perspective, XV Congress of the Int. Union for Prehistoric and Protohistoric Sciences, UISPP, 4–9 Sept. 2006, Lisbon, Portugal.

A.P. Gonçalves (Chairman), J.C. Waerenborgh, Organizing Committee, *12th Workshop on Magnetism and Intermetallics*, 9–10 Feb. 2006, ITN, Sacavém.

M. Almeida (Chairman), V. Gama, E.B. Lopes, L.C.J. Pereira, R.T. Henriques, Organizing Committee, *MAGMANet-ECMM European Conf. on Molecular Magnetism*, Oct. 2006, Tomar, Portugal.

Museum Exhibition

M.I. Dias, M.I. Prudêncio, G. Cardoso, A.C. Valera, collaboration in the international “Physics Year” exhibits in the panel “Arts of Physics”, Fundação Calouste Gulbenkian, Lisbon, Portugal, 22 Sept. 2005 to 8 Jan. 2006.

Jury Membership

A. Paulo and I. Santos, *PhD Thesis* by R. Garcia, Complexos Tricarbonilo de Re(I) e ^{99m}Tc(I) com Escorpionatos Doadores de Enxofre: Aplicações no Desenvolvimento de Radiofármacos por Imagiologia Molecular de Receptores do Sistema Nervoso Central, Faculty of Sciences, Univ. Lisboa, March 2006.

I. Santos, *PhD Thesis* by R. Grazine, Sistemas Moleculares do Tipo Poli-Hidroxipiridinonato com Potencial Aplicação Terapêutica/Ambiental: Síntese, Interação com Metais e Estudos Biológicos, Instituto Superior Técnico, Technical Univ. Lisboa, April 2006.

I. Santos, *PhD Thesis*, by M. Gil, Derivados Peptídicos e não Peptídicos de 3-hidroxi-2-metilpiridin-4(1H)-onas: Síntese, Interação com iões Metálicos e Estudos Biológicos, Instituto Superior Técnico, Technical Univ. Lisboa, Dec. 2006.

M.C. Oliveira, *PhD Thesis* by G. Morais, Novel Steroidal derivatives linked to biological Active moieties, Faculty of Pharmacy, Univ. Lisboa, Nov. 2006.

M.F. Araújo, *PhD thesis* by P. Iglésias, El Registro Sedimentario Reciente de la Ensenada de San Són (Ria de Vigo, Noroeste de España): interacción entre Procesos Naturales y Actividades Antropogénicas, Dep. de Geociencias Marinas y Ordenación del Territorio, Univ. Vigo, July 2006.

M.F. Araújo, *PhD thesis* by E. Grabulosa, Analytical Methodologies Based on X-Ray Fluorescence Spectrometry (XRF) and Inductively Coupled Plasma Spectroscopy (ICP) for the Assessment of Metal Dispersal Around Mining Environments, Univ. Girona, Feb. 2006.

M.F. Araújo, post-graduation thesis by S. Moreira, Assinatura Geoquímica de Sedimentos Estuarinos e

Lagunares do SW Alentejano – Lagoa de Santo André, FCUL, June 2006.

M.F. Araújo and A.M.M. Soares, graduation thesis by Inês Melro e Silva, Caracterização Arqueometalúrgica de um Conjunto de Artefactos do Castro de Vila Nova de São Pedro, FCT-UNL, Feb. 2006.

M.I. Prudêncio, *PhD thesis* by J. P. Botelho Veiga, Cristaloquímica de materiais pétreos e cerâmicos do património cultural na bacia do Mediterrâneo: contribuições para uma estratégia de conservação. Univ. Nova de Lisboa, Nov 2006.

M. Almeida, *PhD thesis* by Jordi Ribas y Ariño, “Mechanisms of Magnetic Interaction in Molecular Crystals”, Univ. Barcelona, Spain 29 Sept. 2006.

J.C. Waerenborgh, *PhD thesis* of Ekaterina Tsipis, “Nickel and cobalt-containing mixed conductors for SOFC electrode applications”, Univ. Aveiro, Feb. 2006.

N. Marques, *PhD thesis* by M. J. G. Ferreira, Complexos de Metais dos Grupos 4 e 6 com Ligandos Azavinilideno: Síntese, Caracterização e Reactividade, Instituto Superior Técnico, July 2006.

J. Marçalo and J.P. Leal MSc thesis by P.J.A. Madeira, Estrutura / Energética / Reactividade de Fenóis Substituídos em Fase Gasosa, Faculdade de Ciências, Universidade de Lisboa, March 2006.

J. Marçalo and A. Pires de Matos, Graduation thesis by F.M.P. Lopes, Estudo de Proveniência de Vidros Portugueses. Uma Incursão às Técnicas Analíticas, Universidade Nova de Lisboa, September 2006.

J.P. Leal, MSc thesis by M. C. Pedruco, Utilização de Software Educativo pelos Professores de Química e de Física, Faculdade de Ciências, Universidade de Lisboa, March 2006.

J.P. Leal, MSc thesis by L. Gonçalves, Software Educacional para Química: Conceitos em Química, Faculdade de Ciências, Universidade de Lisboa, November 2006.

J.P. Leal, Graduation thesis by L.S. Richard, Thermochimie des Trois Isomères du Crésol, Faculdade de Ciências, Univ. Lisboa, June 2006.

A. Pires de Matos, (as Co-supervisor) of the Graduation thesis by M. Ferreira, Produção, Caracterização e Conservação de Esmaltes sobre Cobre, Universidade Nova de Lisboa, Sept. 2006.

A. Pires de Matos, (as Co-Supervisor) of the Graduation thesis by M. Larsson, Estudos de Conservação e Restauro de Bens Culturais Cerâmicos, Universidade Nova de Lisboa, Nov. 2006.

A. Pires de Matos, President of the juries of 8 Graduation theses in Conservation and Restoration, Univ. Nova de Lisboa, May, Sept. and Nov. 2006.

Physics

Graduation and post-graduation teaching

E. Alves, Invited Coordinator Professor, Applied Physics – 1st semester of Nuclear Medicine, Radiology and Radiotherapy courses at Escola Superior de Tecnologias da Saúde de Lisboa.

E. Alves, Invited Coordinator Professor, Atomic and Nuclear Physics – 2nd semester of Nuclear Medicine, Radiology and Radiotherapy courses at Escola Superior de Tecnologias da Saúde de Lisboa.

R.C. da Silva, Invited Professor, Lectures in Nuclear Physics – theoretical plus laboratory course for the 7th semester of Physical Engineering and Biomedical Engineering curricular plans, at Univ. Nova de Lisboa.

R.C. da Silva, Invited Professor, Lectures in Ion Beam Analysis – in the framework of course Complements of Applied Physics - 10th semester of Physical Engineering curricular plan at the Universidade Nova de Lisboa.

R.C. da Silva, Invited Professor, Lectures in Ion Beam Analysis – in the framework of the one semester course on Methods of Inspection and Analysis II for the 8th semester of Conservation and Restoration curricular plan at Universidade Nova de Lisboa.

C. Cruz, lectures in Experimental Nuclear Techniques, for the Masters degree in Security and Radiological Protection, join ITN-IST, Lisboa.

L. Ferreira, Laboratory sessions in Radioresistance determination of commercial LDPE film for food use – in the framework of Radiation and Radiotherapy graduation in Biomedical Engineering, at Univ. Nova de Lisboa.

M.L. Botelho, S. Cabo Verde, L. Alves, invited practical and theoretical lectures on Sterilization in the framework of the course Microbial Biotechnology, graduation in Microbiology, Universidade de Lisboa, 13-27 Nov. 2006.

S. Cabo Verde, L. Alves, supervisors of laboratory experiments in the framework of the Radiation and Radiotherapy, graduation in Biomedical Engineering, Univ. Nova de Lisboa, Nov. 2006.

A. Belchior, L. Alves, supervisors of laboratory experiments in the scope of the course Methods of Nuclear Physics, graduation in Physical Engineering, Instituto Superior Técnico, Jun. 2006.

Lectures given by ITN staff

E. Alves, Ion Beam Analyses: Fundamentals and Applications, Joint European Master's Programme in Materials Science 2006/7, Univ. Aveiro, 30 Nov. 2006.

R.C. da Silva, Nuclear Energy – Fundamentals of Nuclear Energy Generation, Nuclear Reactors, Safety, and Environmental Impacts, 2nd Course on

Environmental Protection for Education Agents, Officers and NCOs of the Portuguese Army, EPE (Escola Prática de Engenharia, Army Higher School of Engineering), Tancos, Portugal, 29 Sep. 2006.

E. Alves, Ion Beam Analyses: Fundamentals and Applications, Joint European Master's Programme in Materials Science 2005/6, Univ. Aveiro, 5 Jan. 2006.

A.N. Falcão, Invited Coordinator Professor, Applied Physics - 1st semester at Escola Superior de Tecnologias da Saúde de Lisboa.

A.N. Falcão, Invited Coordinator Professor, Biomechanics - 2st semester at Escola Superior de Tecnologias da Saúde de Lisboa.

T. Pinheiro, Aplicações Biomédicas de Microscopia – Microscopia Nuclear, de Raios X e Ultra-sons intravascular, Licenciatura Engenharia Biomédica (3^o Ano), IST, Março 2006 (aula convidada).

Conference Organisation

E. Alves, Session Chairman of Symposium: Ion Beam Modification and Synthesis in Solids, Conference Materials Science and Technology 2006, Cincinnati, USA, 18 Oct. 2006.

M.L. Botelho, Organizer and Chairman of IAEA workshop The Plant Treatment Challenges of wastewater from Agriculture and Industry, EZN/INIAP, Vale de Santarém, Portugal, 11-12 May 2006.

Ciência Viva

C. Marques, Rutherford Experiment, 24 Jul.-4 Ago. and 7-18 Aug. 2006.

I.F. Gonçalves, Experiments in Radiation Physics, 3-14 Jul. 2006.

Jury Membership

E. Alves, Ph.D. thesis by Yuri Fonseca da Silva Nunes, Descargas Luminescentes Anómalas com Cátodos de magnetron. Filmes Finos com Gradiente de Composição em Profundidade, Univ. Nova de Lisboa, Nov. 2006.

J.G. Correia, Ph.D. thesis by Armandina Lima Lopes, Electron and Lattice Dynamics on Manganites – an atomic scale study, Univ. Aveiro, Oct. 2006.

E. Alves, Ph.D. thesis by Luís Miguel Vieira Prudêncio, Formação de ligas superficiais em titânio e em alumínio por implantação iónica, Universidade Nova de Lisboa, Jul. 2006.

R.C. Silva, promotor and member of the jury of the Ph.D. thesis by Luís Miguel Vieira Prudêncio, Formação de ligas superficiais em titânio e em alumínio por implantação iónica, Univ. Nova de Lisboa, Jul. 2006.

J.G. Correia, member of the jury of Ph.D. thesis by Tânia de Melo Mendonça, On the Synthesis and atomic scale characterization of Hg-based High-Tc superconductors, Univ. Porto, Mar. 2006.

T. Pinheiro, External Examiner of Ph.D. thesis by Reshmi Rajendran, Elemental analysis in Atherosclerosis and Alzheimer's disease using nuclear microscopy, Univ. of Singapore, Feb. 2006.

T. Pinheiro, External Examiner of M.Sc. thesis by C. Ralheta, Análise elementar de águas do mar por TXRF. Implementação da metodologia conducente à acreditação do método. Univ. de Lisboa, Nov. 2006.

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