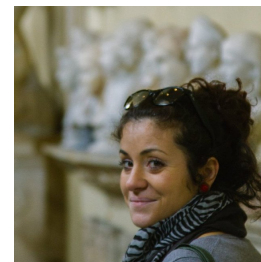


Maria Micaela Leal da Fonseca
Researcher, Invited Assistant Professor
LIBPhys-UNL
DF – Departamento de Física
Email: micalafonseca@fct.unl.pt



Personal information

In the last years, the research has been mainly focused on interactive rehabilitation systems using Virtual Reality. She is the PI and the co-Founder of VR4NeuroPain. VR4NeuroPain is a renowned project, which has been awarded with several distinctive prizes such as Glintt at Fundação Champalimaud, SantaCasa Challenge and Acredita Portugal. Moreover, in order to allow real-time collection of physiological parameters for the integrated systems using VR, nowadays she is integrating thin sensors using circuit-printing methodologies on flexible and biocompatible materials. Micaela Fonseca is Physics Engineer and obtained her PhD in Nuclear Physics (FCT/UNL, 2011) and became expert in sensors, detecting data, nuclear physics accelerators and ion beam techniques and applied them in the analysis of objects of biomedical interest (dentine fluorine uptake, osteoporosis) and cultural interest. After PhD, she was a researcher at Physics Department at Goethe University Frankfurt am Main, Germany and GSI. Since 2011, Micaela has been an invited Assistant Professor at FCT/UNL for Biomedical Engineering and Physics Engineering. Micaela was Assistant Professor at IADE/UE and co-founded Games for Good, the greatest game jam for social responsibility at Portugal. At IADE innovation teams, Micaela participated in the organization of two new degrees: Games and Apps Development and Creative Tech. As IADE pedagogical practices coordinator she was responsible for several projects where creativity was in full synergy with technology. Micaela Fonseca is a member of LibPhys research center, invited Assistant Professor at Universidade Nova de Lisboa and invited researcher at HEI_Lab. Published 51 (journal articles, proceedings and books sections). Supervised/co-Supervised 14 MSc dissertations. Participated in 6 international projects (funding by: FCT, IAEA and GSI) and 5 PhD jury.

Qualifications

Physics-Nuclear Physics, Doctorate, DF – Departamento de Física
Dec 2003 → Jul 2011
Award Date: 1 Jul 2011

Physics Engineering (pré-bolonha), Master, DF – Departamento de Física
1998 → 2004

Employment

Researcher

LIBPhys-UNL
Universidade NOVA de Lisboa
1 Jan 2015 → present

Invited Assistant Professor

DF – Departamento de Física
Universidade NOVA de Lisboa
Portugal
1 Oct 2012 → present

Invited Principal Researcher

HEI_lab: Digital Human Environment Interaction Lab
Portugal
9 Feb 2020 → present

Pedagogical Practices Coordinator

IADE - Creative University
Lisboa, Portugal
1 Sep 2018 → 25 Jan 2020

Pedagogical Council | Member

IADE - Creative University
Lisboa, Portugal
1 Sep 2017 → 25 Jan 2020

Assistant Professor

IADE - Creative University
Lisboa, Portugal
1 Sep 2013 → 25 Jan 2020

Researcher

Johann Wolfgang Goethe-Universität
Frankfurt/Main, Germany
1 Jan 2011 → 1 Jan 2012

FCT PhD Scholarship

1 Mar 2006 → 1 Jan 2010

Research Assistant

Centro de Fisica Nuclear
Portugal
1 Jan 2005 → 1 Jan 2011

Research outputs**Gamma-ray cross-sections of the $^{27}\text{Al}(p,p'\gamma)^{27}\text{Al}$ reaction in the proton energy range 1490–3000 keV**

Mateus, R., Fonseca, M., Cruz, J., Manteigas, V., Santos, C., Luís, H., Silva, H. & Jesus, A. P., Oct 2022, In: European Physical Journal A. 58, 10, 209.

Cross-sections of the gamma-producing $^{25}\text{Mg}(p,p\gamma)^{25}\text{Mg}$ nuclear reaction at Elab = 870–4020 keV

Cruz, J., Fonseca, M., Mateus, R., Manteigas, V., Luís, H. & Jesus, A. P., Jul 2022, In: The European Physical Journal A. 58, 7, 8 p., 128.

ERYA-Bulk and ERYA-Profiling: An application for quantitative PIGE analysis

Manteigas, V., Martins, L., Cruz, J., Fonseca, M. & Jesus, A. P., Jun 2022, In: Computer Physics Communications. 275, 108307.

Investigation of the protective suitability of a dental fluorinated varnish by means of X Ray fluorescence and Raman spectroscopy

Otel, I., Dias, K. M., Pereira, R., Fonseca, M., Jesus, A. P., Mata, A., Vassilenko, V., Silveira, J. M. & Pessanha, S., May 2022, In: Journal Of Trace Elements In Medicine And Biology. 71, 126938.

ERYA-Profiling: A code for quantitative PIGE analysis of in-depth heterogeneous samples

Manteigas, V., Cruz, J., Fonseca, M. & Jesus, A. P., 1 Sep 2021, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 502, p. 142-149 8 p.

Fluorine depth profiling based on the $^{19}\text{F}(p,p'\gamma)^{19}\text{F}$ excitation function

Cruz, J., Fonseca, M., Galaviz, D., Henriques, A., Luís, H., Machado, J., Teubig, P., Velho, P., Manteigas, V. & Jesus, A. P., Sep 2021, In: European Physical Journal Plus. 136, 9, 969.

An insider view of the Portuguese ion beam laboratory

Alves, E., Lorenz, K., Catarino, N., Peres, M., Dias, M., Mateus, R., Alves, L. C., Corregidor, V., Barradas, N. P., Fonseca, M., Cruz, J. & Jesus, A., 22 Jun 2021, In: European Physical Journal Plus. 136, 6, 684.

Neutron activation of Ga 69 and Ga 71 at kBT≈25 keV

Göbel, K., Beinrucker, C., Brückner, B., Erbacher, P., Fiebiger, S., Fonseca, M., Heftrich, M., Heftrich, T., Käppeler, F., Krása, A., Kurtulgil, D., Lederer-Woods, C., Plag, R., Plompen, A., Reifarth, R., Schmidt, S., Sonnabend, K. & Weigand, M., 12 Feb 2021, In: *Physical Review C*. 103, 2, 025802.

GBL for psychological intervention related skills: What challenges? What paths?

Sousa, C., Fonseca, M., Mansuklal, S., Carvalho, J., Silva, D., Neves, P., Luz, F., Salvador, Á., Costa, L., Oliveira, J. & Gamito, P., 2021, *Proceedings of the 15th European Conference on Game Based Learning, ECGBL 2021*. Fofaris, P. (ed.). Dechema e.V., p. 656-664 9 p. (Proceedings of the European Conference on Games-based Learning; vol. 2021-September).

Evaluation of the effect of fluorinated tooth bleaching products using polarized Raman microscopy and particle induced gamma-ray emission

Pessanha, S., Silva, S., Silveira, J. M., Otel, I., Luis, H., Manteigas, V., Jesus, A. P., Mata, A. & Fonseca, M., 5 Aug 2020, In: *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*. 236, 118378.

Ensino de Desenvolvimento de Videojogos Através de Aprendizagem Baseada em Projetos e Experiências Multidisciplinares

Silva, B. M. C. & Fonseca, M., May 2020, *Livro de Atas do 1º SEVj - Seminário sobre Ensino de Videojogos*. Sociedade Portuguesa das Ciências dos Videojogos, p. 74-82

International Atomic Energy Agency inter-comparison of particle induced gamma-ray emission codes for bulk samples

Pessoa Barradas, N., Cruz, J., Fonseca, M., de Jesus, A. P., Lagoyannis, A., Manteigas, V., Mayer, M., Preketes-Sigalas, K. & Dimitriou, P., 1 Apr 2020, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 468, p. 37-47 11 p.

Measurement of gamma-ray production cross sections for nuclear reaction $^{31}\text{P}(p,p\gamma_{1-0})^{31}\text{P}$

Silva, H., Santos, C., Fonseca, M., Luís, H., Martins, L., Manteigas, V., Cruz, J. & Jesus, A. P., 1 Aug 2019, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 452, p. 26-29 4 p.

Evaluation of enamel demineralization and fluorine uptake caused by gustatory stimulants of salivary secretion (GSSS) using Raman spectroscopy and proton induced gamma-ray emission (PIGE)

Luís, G., Silva, H., Silveira, J., Manteigas, V., Mata, A., Marques, D., Jesus, A., Fonseca, M. & Pessanha, S., 1 Mar 2019, In: *Journal of Raman Spectroscopy*. 50, 3, p. 380-386

Measurement of proton induced γ -ray emission cross sections on Na from 1.0 to 4.1 MeV

Chiari, M., Alves, E., Bogdanović Radović, I., Cruz, J., Csedreki, L., Fonseca, M., Galaviz, D., Henriques, A., Jakšić, M., Jesus, A. P., Kakuee, O., Kiss, Z., Lagoyannis, A., Lourenço, F., Luís, H., Machado, J., Melon, B., Nuviadenu, C. K., Salvestrini, L., Sharifzadeh, N., & 7 others Siketić, Z., Szíki, G., Szikszai, Z., Teubig, P., Velho, P., Zamboni, I. & Zarza, M., 15 Feb 2019, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 441, p. 108-118 11 p.

An integrated system combining virtual reality with a glove with biosensors for neuropathic pain: A concept validation

Quaresma, C., Gomes, M., Cardoso, H., Ferreira, N., Vigário, R., Quintão, C. & Fonseca, M., 1 Jan 2019, *Advances in Human Factors and Systems Interaction - Proceedings of the AHFE 2018 International Conference on Human Factors and Systems Interaction, 2018*. Nunes, I. L. (ed.). Springer Verlag, p. 274-284 11 p. (Advances in Intelligent Systems and Computing; vol. 781).

VR4Neuropain: Interactive rehabilitation system

Fonseca, M., Cardoso, H., Ferreira, N., Loureiro, T., Quaresma, C. & Gomes, I., 1 Jan 2019, *BIODEVICES 2019 - 12th International Conference on Biomedical Electronics and Devices, Proceedings; Part of 12th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2019*. Roque, A., Fred, A. & Gamboa, H. (eds.). SciTePress - Science and Technology Publications, p. 285-290 6 p.

Challenging the calorimeter CALIFA for FAIR using high energetic photons

Teubig, P., Rimmels, P., Klenze, P., Alvarez-Pol, H., Alves, E., Boillos, J. M., Cabanelas, P., da Silva, R. C., Cortina-Gil, D., Cruz, J., Ferreira, D., Fonseca, M., Galaviz, D., Galiana, E., Gernhäuser, R., González, D., Henriques, A. M., Jesus, A. P., Luís, H., Machado, J., & 5 others Peralta, L., Rocha, J., Sánchez-Benítez, A. M., Silva, H. & Velho, P., 2019, *Basic Concepts in Nuclear Physics: Theory, Experiments and Applications - 2018 La Rábida International Scientific Meeting on Nuclear Physics*. García-Ramos, J.-E., Pérez-Bernal, F., Andrés, M. V., Moro, A. M. & Valera, J. A. (eds.). Springer Science and Business Media, LLC, p. 245-246 2 p. (Springer Proceedings in Physics; vol. 225).

Gneuropathy: Validation process at clinical environment

Quaresma, C., Gomes, M., Cardoso, H., Ferreira, N., Vigário, R., Quintão, C. & Fonseca, M., 2019, *BIODEVICES 2019 - 12th International Conference on Biomedical Electronics and Devices, Proceedings; Part of 12th International Joint Conference on Biomedical Engineering Systems and Technologies, BIOSTEC 2019*. Roque, A., Fred, A. & Gamboa, H. (eds.). SciTePress - Science and Technology Publications, p. 275-279 5 p.

Nota introdutória

Teodoro, V., Fonseca, M. & Carvalho, P., 2019, In: *Revista Lusofona de Educacao*. 45, 45, p. 105-107 3 p.

Uso de realidade virtual en rehabilitación de pacientes con lesión de médula espinal: Una revisión sistemática

Correia, F., Santos, C., Quaresma, C. & Fonseca, M., 2018, In: *Revista Lusofona de Educacao*. 40, 40, p. 91-100 10 p.

Neutron capture cross sections of ^{69}Ga and ^{71}Ga at 25 keV and $e_{\text{peak}} = 90$ keV

Göbel, K., Beinrucker, C., Erbacher, P., Fiebiger, S., Fonseca, M., Heftrich, M., Heftrich, T., Käppeler, F., Krása, A., Lederer-Woods, C., Plag, R., Plompen, A., Reifarh, R., Schmidt, S., Sonnabend, K. & Weigand, M., 13 Sep 2017, *ND 2016: International Conference on Nuclear Data for Science and Technology*. Siegler, P., Mondelaers, W., Plompen, A., Hamsch, F.-J., Schillebeeckx, P., Kopecky, S., Heyse, J. & Oberstedt, S. (eds.). EDP Sciences, 01014. (EPJ Web of Conferences; vol. 146).

Production of thin targets by implantation for the measurement of the $^{16}\text{O} + ^{16}\text{O}$ elastic scattering below the Coulomb barrier

Silva, H., Cruz, J. D. N., Sánchez-Benítez, A. M., Santos, C., Luís, H., Fonseca, M. & Jesus, A. P., 1 Sep 2017, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 406, p. 135-138 4 p.

Quantitative analysis of Li by PIGE technique

Fonseca, M., Mateus, R., Santos, C., Cruz, J., Silva, H., Luis, H., Martins, L. & Jesus, A. P., 1 Sep 2017, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 406, p. 144-147 4 p.

Cu 63 (n, γ) cross section measured via 25 keV activation and time of flight

Weigand, M., Beinrucker, C., Couture, A., Fiebiger, S., Fonseca, M., Göbel, K., Heftrich, M., Heftrich, T., Jandel, M., Käppeler, F., Krása, A., Lederer, C., Lee, H. Y., Plag, R., Plompen, A., Reifarh, R., Schmidt, S., Sonnabend, K. & Ullmann, J. L., 31 Jan 2017, In: *Physical Review C*. 95, 1, 015808.

Cross sections for proton induced high energy γ -ray emission (PIGE) in reaction $^{19}\text{F}(p,\alpha\gamma)^{16}\text{O}$ at incident proton energies between 1.5 and 4 MeV

Cabanelas, P., Cruz, J., Fonseca, M., Henriques, A., Lourenço, F., Luís, H., Machado, J., Pires Ribeiro, J., Sánchez-Benítez, A. M., Teubig, P., Velho, P., Zarza-Moreno, M., Galaviz, D. & Jesus, A. P., 15 Aug 2016, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 381, p. 110-113 4 p.

Study of in distribution on GaInSb:Al crystals by ion beam techniques

Streicher, M., Corregidor, V., Catarino, N., Alves, L. C., Franco, N., Fonseca, M., Martins, L., Alves, E., da Costa, E. M. & Dedavid, B. A., 15 Mar 2016, In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*. 371, p. 278-282 5 p.

Study of nuclear reactions producing ^{36}Cl by micro-AMS

Luís, H., Jesus, A. P., Fonseca, M., Cruz, J., Galaviz, D., Franco, N. & Alves, E., 5 Jan 2016, In: *Journal of Physics: Conference Series*. 665, 1, 012077.

Stopping power of C, O and Cl in tantalum oxide

Barradas, N. P., Alves, E., Fonseca, M., Siketić, Z. & Bogdanović Radović, I., 1 Aug 2014, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 332, p. 152-155 4 p.

Comparative analysis of anodized, implanted and sputtered tantalum oxide targets for the study of O-16+O-16 fusion reaction

Silva, H., Cruz, J. D. N., Redondo-Cubero, A., Santos, C., Fonseca, M., Luís, H. & Jesus, A. P., 15 Jul 2014, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 331, p. 78-81

Elemental distribution in human femoral head

Santos, C., Fonseca, M., Corregidor, V., Silva, H., Luís, H., Jesus, A. P., Branco, J. & Alves, L. C., 15 Jul 2014, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 331, p. 266-270 5 p.

Electron screening effects in nuclear reactions: Still an unsolved problem

Cruz, J., Luís, H., Fonseca, M. & Jesus, A. P., 2012, In: Journal of Physics: Conference Series. 337, 1, 012062.

Golden glazes analysis by PIGE and PIXE techniques

Fonseca, M., Luís, H., Franco, N., Reis, M. A., Chaves, P. C., Taborada, A., Cruz, J., Galaviz, D., Fernandes, N., Vieira, P., Ribeiro, J. P. & Jesus, A. P., 15 Dec 2011, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 269, 24, p. 3060-3062 3 p.

PIGE analysis of magnesium and beryllium

Fonseca, M., Jesus, A. P., Luís, H., Mateus, R., Cruz, J., Gasques, L., Galaviz, D. & Ribeiro, J. P., 1 Jun 2010, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 268, 11-12, p. 1806-1808 3 p.

Production and characterization of thin ^7Li targets fabricated by ion implantation

Cruz, J., Fonseca, M., Luís, H., Mateus, R., Marques, H., Jesus, A. P., Ribeiro, J. P., Teodoro, O. M. N. D. & Rolfs, C., 1 Feb 2009, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 267, 3, p. 478-481 4 p.

PIGE analysis and profiling of aluminium

Mateus, R., Fonseca, M., Jesus, A. P., Luís, H. & Ribeiro, J. P., 1 Apr 2008, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 266, 8, p. 1490-1492 3 p.

Experimental study of proton-induced nuclear reactions in $^6,7\text{Li}$

Cruz, J., Luis, H., Fonseca, M., Fülöp, Z., Gyürky, G., Raiola, F., Aliotta, M., Kettner, K. U., Jesus, A. P., Ribeiro, J. P., Barker, F. C. & Rolfs, C., 7 Feb 2008, In: Journal of Physics G: Nuclear and Particle Physics. 35, 1, 014004.

The sensitivity of the PIGE analytical technique

Mateus, R., Jesus, A. P., Fonseca, M., Luís, H. & Ribeiro, J. P., 1 Nov 2007, In: Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms. 264, 2, p. 340-344 5 p.

Activities

Com@Rehab – Terminology meets VR in Rehabilitation Scenarios based on Real-Life Activities

Maria Rute Vilhena Costa (Keynote speaker) & Maria Micaela Leal da Fonseca (Keynote speaker)
15 Sep 2022

Interactive communication for specific purposes using virtual reality

Sara Carvalho (Speaker), Raquel Alves da Silva (Speaker), Maria Rute Vilhena Costa (Speaker), Maria Micaela Leal da Fonseca (Speaker), Cláudia Regina Pereira Quaresma (Speaker), Ana Rita M. Londral (Speaker), Miguel Romão Fernández (Speaker) & Maria Carolina Sousa Silva (Speaker)

12 Sep 2022

Com@Rehab: a multidisciplinary, patient-centred approach to promoting health literacy and reducing inequality in health
Sara Carvalho (Speaker), Raquel Alves da Silva (Speaker), Maria Rute Vilhena Costa (Speaker), Cláudia Regina Pereira Quaresma (Speaker), Maria Micaela Leal da Fonseca (Speaker), Carolina Silva (Speaker) & Ana Rita M. Londral (Speaker)

5 Oct 2021

Escola de Verão NOVA FCSH 2021 - Terminologia e Comunicação em Saúde na era digital / Terminology & Healthcare communication in the digital age

Maria Rute Vilhena Costa (Chair), Cláudia Regina Pereira Quaresma (Speaker), Cristina Vaz Almeida (Speaker), Maria Micaela Leal da Fonseca (Speaker), Raquel Alves da Silva (Speaker) & Sara Carvalho (Speaker)

19 Jul 2021 → 23 Jul 2021

Com@Rehab project - Communication for Interactive Rehabilitation in Virtual reality

Maria Micaela Leal da Fonseca (Speaker), Maria Rute Vilhena Costa (Speaker), Raquel Alves da Silva (Speaker), Sara Carvalho (Speaker), Cláudia Regina Pereira Quaresma (Speaker), Carolina Rolo Martins Santos Silva (Speaker) & Ana Rita M. Londral (Speaker)

8 May 2021

Membro de Júri de PhD como Vogal Tese de Doutoramento em Educação, sobre o tema, "Contribuições da Programação Computacional Para a Integração de Conceitos na Aprendizagem da Física no Ensino Secundário: Estudo exploratório a partir de uma investigação-acção do candidato João Robert Paula Nogueira.

Maria Micaela Leal da Fonseca (Member)

25 Jun 2020

Ensino de Desenvolvimento de Videojogos Através de Aprendizagem Baseada em Projetos e Experiências Multidisciplinares.

Maria Micaela Leal da Fonseca (Speaker)

2020

Património Industrial – Em busca de sustentabilidade

Maria Micaela Leal da Fonseca (Participant)

27 Sep 2019

Supervisão da tese de Mestrado em Engenharia Biomédica: "Desenvolvimento de sensores de temperatura de filme fino em membranas conformáveis para aplicação em dispositivos médicos" Estudante: Carolina MarquêsFCT/UNL. Co-Supervisão: Joana Pinto

Maria Micaela Leal da Fonseca (Recipient) & Joana Maria Doria Vaz Pinto Morais Sarmiento (Supervisor)

Sep 2019 → ...

Supervisão da tese de Mestrado em Engenharia Biomédica: "Integração de sensores de temperatura em membranas conformáveis para aplicação em dispositivos médicos" Estudante: Wilson Santos FCT/UNL. Co-Supervisão: Joana Pinto

Maria Micaela Leal da Fonseca (Supervisor) & Joana Maria Doria Vaz Pinto Morais Sarmiento (Supervisor)

Sep 2019 → ...

PIGE technique in Cultural Heritage – quantification without standards

Maria Micaela Leal da Fonseca (Speaker)

9 Jul 2019 → 14 Jul 2019

2º Edição Jornadas Pedagógicas Universidade Europeia, SUMMER ACADEMY

Maria Micaela Leal da Fonseca (Invited speaker)

25 Jun 2019

Complementary use of PIGE and Raman spectroscopy for the evaluation of Fluorine uptake and enamel demineralization caused by Gustatory Stimulants of Salivary Secretion

Maria Micaela Leal da Fonseca (Speaker)
10 Jun 2019 → 12 Jun 2019

EXSA School and Workshop on Quantitative Methods in X-Ray Spectrometry

Maria Micaela Leal da Fonseca (Participant)
12 May 2019 → 17 May 2019

Membro de Juri de PhD como Vogal: Tese de Doutoramento em Educação, sobre o tema, "A Acústica Como Um dos Principais Mecanismos na Formação do Cidadão: Um Processo Presente nos Espaços de Ensino" do candidato Sérgio Fernando Saraiva da Silva.

Maria Micaela Leal da Fonseca (Member)
20 Mar 2019

Revista Lusófona de Educação (Journal)

Maria Micaela Leal da Fonseca (Editorial board member)
2019

Supervisão da tese de Mestrado em Engenharia Biomédica: "Desenvolvimento de uma plataforma de reabilitação interativa para doentes com Acidentes Vasculares Cerebrais" Estudante: Diogo Ramos FCT/UNL. Co-Supervisão: Claudia Quaresma.

Maria Micaela Leal da Fonseca (Supervisor) & Cláudia Regina Pereira Quaresma (Supervisor)
2019 → ...

Supervisão da tese de Mestrado em Engenharia Física: "Optimização e automatização da câmara de reacções nucleares" Estudante: Manuel Silva FCT/UNL. Co-Supervisão: João Cruz.

Maria Micaela Leal da Fonseca (Supervisor) & João Duarte Neves Cruz (Supervisor)
2019 → ...

Membro de Júri de PhD como vogal: Tese de Doutoramento em Engenharia Física, sobre o tema, "Elastic scattering of protons and oxygen ions from light nuclei" do candidato Hugo Miguel Martins Ferreira da Silva 18 de Dezembro de 2018.

Maria Micaela Leal da Fonseca (Member), João Duarte Neves Cruz (Supervisor) & Hugo Silva (Presenter)
18 Dec 2018

"VR4NeuroPain" - Novo Processo de Reabilitação utilizando a Realidade Virtual e Gamificação com vista à Redução da Dor Neuropática

Maria Micaela Leal da Fonseca (Speaker)
9 May 2018

"VR4NeuroPain", AEICBAS Biomedical Congress University of Porto

Maria Micaela Leal da Fonseca (Speaker)
18 Mar 2018

Aluminium depth profiling in implanted AlGaIn alloysPortugal

Maria Micaela Leal da Fonseca (Speaker)
2017

Games for Good - Game jam for social responsibility

Maria Micaela Leal da Fonseca (Chair)
2017 → 2019

Membro de Júri de PhD como vogal: Tese de Doutoramento em Educação, sobre o tema, "O desenvolvimento de estratégias metacognitivas e de autoregulação: estudo de caso na disciplina de Física e Química A, no Ensino Secundário." da candidata Maria do Nascimento Silva Costa Miranda

Maria Micaela Leal da Fonseca (Member)
2017

Membro de Júri de PhD como vogal: Tese de Doutoramento em Educação, sobre o tema, "Educação e Ensino CTS com projetos sustentáveis de alunos de Física e Química" da candidata Cláudia Margarida Assunção Ribeiro Simões

Maria Micaela Leal da Fonseca (Member)

25 Jul 2016

Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms (Journal)

Maria Micaela Leal da Fonseca (Peer reviewer)

2016

Quantitative analysis of Li by PIGE technique

Maria Micaela Leal da Fonseca (Speaker)

2016

ERYAProfilng: a code for depth profiling of light elements in inhomogeneous samples by PIGE.

Maria Micaela Leal da Fonseca (Speaker)

2015

6th Nuclear Physics in Astrophysics, NPA 2013

Maria Micaela Leal da Fonseca (Member of programme committee) & João Duarte Neves Cruz (Invited speaker)

19 May 2013 → 24 May 2013

496. WE-Heraeus-Seminar "Astrophysics with modern small-scale accelerators"

Maria Micaela Leal da Fonseca (Speaker)

Feb 2012

496. WE-Heraeus-Seminar "Astrophysics with modern small-scale accelerators".

Maria Micaela Leal da Fonseca (Invited speaker)

Feb 2012

"An Alternative Method for Proton-Induced Gamma-Ray Emission (PIGE) Analysis of Light Elements without Standards"

Maria Micaela Leal da Fonseca (Speaker)

2011

Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms (Journal)

Maria Micaela Leal da Fonseca (Editorial board member)

2010

Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms (Journal)

Maria Micaela Leal da Fonseca (Editorial board member)

2009

An alternative method for PIGE analysis of light elements without standards

Maria Micaela Leal da Fonseca (Speaker)

1 Apr 2008 → 3 Apr 2008

Prizes

PhD Scholarship / Fundação para a Ciência e Tecnologia

Fonseca, Maria Micaela Leal da (Recipient), 2006

PI - Project VR4NeuroPain Hintt2019 Challenge

Fonseca, Maria Micaela Leal da (Recipient), 2019

PI - Project VR4NeuroPain | SantaCasa Challenge
Fonseca, Maria Micaela Leal da (Recipient), 2016

PI - VR4NeuroPain Acredita Portugal Challenge
Fonseca, Maria Micaela Leal da (Recipient), 2018

Santander IE Best Practices in Digital Education for Teachers
Fonseca, Maria Micaela Leal da (Recipient), 2020

Topstudent of Engineering Physics
Fonseca, Maria Micaela Leal da (Recipient), 2004

Press/Media