

CURRICULUM VITAE

PERSONAL INFORMATION

Surname: MOHAMAD HADI
First name: Abdul Fattah
Nationality: Syrian
Date and Place of Birth: 14 April 1979 - Aleppo/Syria
Marital Status: married with two children
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EDUCATION

01/11/2009- to Date: PhD student in nuclear physics at EMN (École des Mines de Nantes), SUBATECH laboratory - Nantes. Title: «Simulation of 3- γ imaging with liquid xenon Compton telescope by using GATE »

2008: Master's Degree in « Radiation physics, detector, Imaging and Instrumentation » at IPHC (Institut Pluridisciplinaire Hubert Curien), Louis Pasteur university – Strasbourg. Internship at the IPHC, title: «Time resolution study at nanosecond scale of fluorescence induced in ionic liquids by 2 MeV protons»

1997-2002: Bachelor's Degree in Physics at University of Aleppo - Syria.

RESEARCH EXPERIENCE

Projects in development: Simulation of TPC (Time Projection Chamber) detector and 3- γ imaging using GATE

Talks/Posters:

- *Talks in OpenGATE collaboration meeting since 2010*
- *Poster, (les journées de l'école doctorale 3MPL) 23-24 June 2010 at Nantes. Title: « Simulation of a liquid xenon Compton camera using GATE ».*
- *Talk, (Rencontres des jeunes chercheurs) in December 2010 at Annecy. Title: « Simulation of Time Projection Chamber using GATE for liquid xenon Compton telescope dedicated to 3 γ imaging ».*
- *Talk, (l'heure thésards) at SUBATECH, 22/06/2011. Title: «To the simulation of a liquid xenon Compton camera in GATE : Time Projection Chamber Simulation »*

Publications:

- *A liquid xenon TPC for a medical imaging Compton telescope, T. Oger, W.-T. Chen, J.-P. Cussonneau, J. Donnard, S. Duval, J. Lamblin, O. Lemaire, A.F. Mohamad Hadi, P. Leray, E. Morteau, L. Scotti*

Lavina, J.-S. Stutzmann, D. Thers, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Available online 14 December 2011, ISSN 0168-9002, 10.1016/j.nima.2011.12.004.

- *Hybrid multi micropattern gaseous photomultiplier for detection of liquid-xenon scintillation, Samuel Duval, Lior Arazi, Amos Breskin, Ranny Budnik, Wan-Ting Chen, Hervé Carduner, A.E.C. Coimbra, Marco Cortesi, Roy Kaner, Jean-Pierre Cussonneau, Jérôme Donnard, Jacob Lamblin, Olivier Lemaire, Patrick Le Ray, J.A.M. Lopes, Abdul-Fattah Mohamad Hadi, Eric Morteau, Tugdual Oger, J.M.F. dos Santos, Luca Scotto Lavina, Jean-Sébastien Stutzmann, Dominique Thers, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Available online 19 November 2011, ISSN 0168-9002, 10.1016/j.nima.2011.11.018.*
- *Measurement of the Transverse Diffusion Coefficient of Charge in Liquid Xenon, W. T. Chen, H. Carduner, J. P. Cussonneau, J. Donnard, S. Duval, A. F. Mohamad-Hadi, J. Lamblin, O. Lemaire, P. Le Ray, E. Morteau, T. Oger, L. Scotto-Lavina, J. S. Stutzmann, D. Thers, Defect and Diffusion Forum Vols. 326-328 (2012) pp 567-572.*
- *Simulation d'un telescope Compton au xenon liquid avec GATE pour l'imagerie à 3y, Abdul Fattah Mohamad Hadi, Rencontres Jeunes Chercheurs 2010 Annecy, 12-18 décembre 2010, pages 119-121.*

PROFESSIONAL EXPERIENCE

1997-2002: Electrical technician in the private sector.

2005-2007: Demonstrator in Physics Department – Faculty of sciences at Damascus University

COMPUTING

Operating systems: Linux, Windows

Programs: Microsoft Office, Latex, programming and development applications.

Programming language: C++

Applications: ROOT, Geant4, GATE (*Geant4 Application for Tomographic Emission*)

Projects: developer in OpenGATE collaboration.

LANGUAGES

Arabic (mother tongue)

French (fluent)

English: (good)

REFERENCES

Hugues Delagrangé: Director of research at CNRS, Team leader at SUBATECH

Email: Hugues.Delagrangé@subatech.in2p3.fr

Jean-Pierre Cussonneau: Assistant professor at EMN, researcher at SUBATECH

Email: Jean-Pierre.Cussonneau@subatech.in2p3.fr

Sébastien Jan: Research Engineer at CEA, openGATE collaboration technical coordinator

Email: sebastien.jan@cea.fr