

Curriculum Vitae

Personal Details

Name : **Professor Paul Thomas GREENLEES**
Date/Place of Birth : 14 November 1973 / Preston, England
Nationality : British
Marital Status : Married
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E-mail : paul.greenlees@jyu.fi
Language Skills : English (native), Finnish (fluent), French (limited)

Academic Education

Oct.1995–Oct.1998: Nuclear Structure Group, Dept. of Physics, University of Liverpool
(Oct.1996–Aug.1997 Accelerator Laboratory, Dept. of Physics,
University of Jyväskylä, Finland)
Oct.1992–Oct.1995: Department of Physics, University of Liverpool
Sept.1990–Jun.1992: Runshaw Tertiary College, Leyland
Sept.1985–Jun.1990: Wellfield High School, Leyland

Qualifications

Higher Degree : Ph.D. in Experimental Nuclear Structure Physics
Thesis: Identification of Excited States and Evidence for Octupole De-
formation in ^{226}U
University of Liverpool, Awarded 26th June 2000
First Degree : B.Sc. Honours Physics, Class II.I (1995)
A Level : Physics (C), Mathematics (C) Chemistry (C), (1992)
G.C.S.E : Physics (A), Mathematics (A), Biology (A), English Language (A),
French (A), Geography (A), Chemistry (B), English Literature (B)

Employment Record

Sept. 2013 - Present Professor
Department of Physics, University of Jyväskylä, Finland
Aug. 2010 - Aug.2013 Research Professor
Department of Physics, University of Jyväskylä, Finland
Aug. 2005 - Jul. 2010 Academy of Finland Research Fellow
Department of Physics, University of Jyväskylä, Finland
Oct.1998 - Aug. 2005 Senior Research Assistant
Department of Physics, University of Jyväskylä, Finland

Positions of Trust / Merits / Awards

Head of JYFL Accelerator Laboratory Nuclear Spectroscopy Group
(Approximately 20 staff, Professor to M.Sc student level)
Team leader in Centre of Excellence for Nuclear and Accelerator-Based Physics (2012-2017)
Awarded European Research Council Starting Investigator Grant 2008
Recipient of Väisälä Award (2014)
Finnish Representative on the Nuclear Physics European Collaboration Committee (Jan. 2017-)
University of Jyväskylä representative in the Finnish Consortium for Radiation Safety Research (CORES)
Member of Faculty of Mathematics and Science Council

Member of University of Jyväskylä Committee for Internationalisation
Finnish Representative on the CERN-ISOLDE Collaboration Committee (Jan. 2012-)
Group Leader for the ISOLDE Project under the HIP Nuclear Matter Program (Jan. 2012-Dec. 2014)
Conference Chair for Nordic Meeting on Nuclear Physics, Finland 2015
Scientific Secretary to the Program Advisory Committee of the JYFL Accelerator Laboratory (Sept.2001 - Dec.2005)
Beamtime Co-ordinator of the JYFL K=130 Cyclotron (Sept.2001 - Dec.2005)
Convenor working group on Physics Case for S³ at SPIRAL2 of “Spectroscopy and Nuclear Structure”
Member of Expert Panel to Evaluate SPIRAL2 S³ Magnet Conceptual Design
Member of the International Program Advisory Committees for numerous International Conferences
Pre-Examiner for Ph.D. Thesis of Jarmo Ala-Heikkilä, Helsinki University of Technology 2008
Member of Panel for Ph.D. Thesis Examination of Julien Piot, University of Strasbourg October 2010
Pre-Examiner for Ph.D. Thesis of Sakari Ihantola, Aalto University 2013
External Examiner for Ph.D. Thesis of Zena Patel, University of Surrey 2015
Member of Panel for Ph.D. Thesis Examination of Kseniia Rezyunkina, Université Paris-Sud September 2016

Journal Refereeing Duties

Referee for Physics Letters B, Physical Review C, Nuclear Physics A, European Physical Journal A, Journal of Physics: Conference Series, Hyperfine Interactions, Applied Radiation and Isotopes

Other Refereeing Duties

Referee for U.S. Department of Energy Office of Science, Natural Sciences and Engineering Research Council of Canada, National Research Foundation of South Africa, Greek Ministry of Education, Lifelong Learning and Religious Affairs, Deutsche Forschungsgemeinschaft

Administration of Research Funding / Leadership

Significant role in Administration of JYFL-ACCLAB Research Infrastructure

Particularly Strategic Planning, Personnel Issues

Co-authorship: Research Applications (CoE, FIRI), Administration Documents (Ministry / University)

Budget of order 5-8 M€per year

Principal Investigator for Academy of Finland FIRI Grant

Total budget 1.3M€(1.1.2017-31.12.2019)

Nuclear Spectroscopy Group

Scientific / Administrative Leadership, Maintenance of Research Collaborations / Networks

Operating budget approximately 200 k€per year

Awarded European Research Council Starting Investigator Grant 2008

1.25 M€over 5 years, for the project:

“SHESTRUCT: Understanding the Structure and Stability of Heavy and Superheavy Elements”

One of 300 grants selected from 9167 applicants

Academy Research Fellow Grant 2005-2010

Approximately 50 k€per year for 5 years

Teaching Experience and Pedagogical Competence

Completed Course in University Pedagogy (10 ECTS) 2015

Co-lecturer: “Selected Topics in Experimental Nuclear Physics” (FYSN550)

Co-lecturer: “Nuclear Physics I” (FYSN300)

Co-responsible: FYSZ450 Seminar Course. (Spring 2010)

Supervision of Candidate and Research Training Work, Master and Doctoral Theses

Ph.D. / Master and Other Student Supervision

S. Eeckhaudt, Ph.D University of Jyväskylä, 2006
S. Ketelhut, Ph.D University of Jyväskylä, 2010
J. Sorri, Ph.D University of Jyväskylä, 2016
J. Konki, Ph.D University of Jyväskylä, Expected 2017

J. Sorri, M.Sc University of Jyväskylä, 2005
S. Ketelhut, M.Sc University of Bonn 2006 (Prof. H. Hübel Supervisor)
K. Uusitalo, M.Sc University of Jyväskylä, 2008
J. Konki, M.Sc University of Jyväskylä, 2011
A. Girka, M.Sc University of Jyväskylä, 2015
O. Nefodov, M.Sc University of Jyväskylä, 2015
P. Hallikainen, M.Sc University of Jyväskylä, 2015
F. Bisso, M.Sc University of Jyväskylä, 2016

J. Konki, Candidate Work, University of Jyväskylä, 2009
J. Konki, Research Training Work, University of Jyväskylä, 2010
A. Girka, Research Training Work, University of Jyväskylä, 2014
O. Nefodov, Research Training Work, University of Jyväskylä, 2014

Selected Recent Talks & Presentations (Partial List - Recent Years Only)

Nuclear Structure 2008,

East Lansing, U.S.A., 2008

Nuclear Structure Studies of Transfermium Nuclei (Invited)

SHE research - Prospects for the Next Decade,

Krakow, Poland, 2008

Rotational Properties of Transfermium Nuclei (Invited)

European Nuclear Physics Conference,

Bochum, Germany, 2009

Nuclear Structure Studies of the Heaviest Elements (Invited)

Gordon Nuclear Chemistry Conference,

New London, New Hampshire, U.S.A., 2009

Nuclear Structure Studies of the Heaviest Nuclei (Invited)

EURORIB 2010 Conference,

Lamoureaux, France, 2010

Present and future studies of superheavy nuclei (Invited)

International Nuclear Physics Conference (INPC) 2010,

Vancouver, Canada, 2010

Spectroscopy of the heaviest elements (Invited)

Zakopane Conference on Nuclear Physics 2010,

Zakopane, Poland, 2010

Gamma and electron spectroscopy of the heaviest elements (Invited)

Advances in Radioactive Isotope Science 2011,

Leuven, Belgium, 2011

In-beam spectroscopy of heavy elements: Status and perspectives (Invited)

**Rutherford Centennial Conference on Nuclear Physics 2011,
Manchester, UK, 2011**

Pushing the limits: Nuclear Structure of Heavy Elements (Invited)

**NS152 Nobel Symposium - Physics with Radioactive Beams 2012,
Gothenburg, Sweden, 2012**

Understanding the Nuclear Structure of Heavy Elements (Invited)

**EGAN Workshop 2012,
Paris, France, 2012**

Review of Electron Spectroscopy (Invited)

**Nuclear Structure 2012,
Argonne, U.S.A., 2012**

Shell-structure and pairing interaction in SHE: Rotational properties of the Z=104 nucleus ^{256}Rf (Contributed)

**Applications of Lasers and Storage Devices in Atomic Nuclei Research,
Poznan, Poland, 2013**

Spin Assignments in Heavy Nuclei (Invited)

**Nuclear Structure with Advanced Gamma-Detector Arrays,
Padova, Italy, 2013**

Nuclear Structure Studies of Heavy Nuclei (Invited)

**Nuclear Structure 2014,
Vancouver, Canada, 2014**

Shell Structure in Heavy Nuclei (Invited)

**EXOtic Nuclei - EXON 2014,
Kaliningrad, Russia, 2014**

Shell Structure in Heavy Nuclei (Invited)

**Fifth International Conference on the Chemistry and Physics of Transactinide Elements
(TAN15),**

Urabandai, Japan, 2015

Shell Structure in Heavy Nuclei (Invited)

**GANIL-SPIRAL2 Week,
Caen, France, 2016**

Opportunities for heavy element studies at GANIL-SPIRAL2 (Invited)

Publication Profile

Co-authored publications in peer-reviewed journals: 204

(including 27 Letters and 1 *Nature* article)

Conference proceedings and other reports: 116

h-index: 32 (Scientific Citations Index)