

List of obtained PhD degrees

Name	Title	Univ.	Promoter	SCK-CEN Mentor	Thesis obtained
Abdelrahman Mahmoud	Personal dosimetry of workers without a physical dosimeter using computational methods	ULiège	Phillips Christophe (ULiège)	Vanhavere Filip	2020-09-22
Abouelaradat Khalil	Epigenetic, metabolic, and signal transduction pathways involved in radiation response of normal and transformed thyrocytes	UGent	Van Criekinge Wim (UGent)	Baatout Sarah	2011-11-21
Ahmed Mohamed	Bioinformatics analysis of complex DNA-sequencing data to assess microbial diversity in geological radioactive waste disposal environments	VUB	Charlier Daniel (VUB)	Monsieurs Pieter	2016-09-27
Ali Md Muntasir	Dissection of novel resistance mechanisms in <i>Cupriavidus metallidurans</i>	VUB	Charlier Daniel (VUB)	Van Houdt Rob	2019-11-18
Aoust Thierry	Améliorations du modèle de cascade intranucléaire de Liège en vue de l'étude de cibles de spallation pour les systèmes hybrides	ULiège	Cugnon Joseph (ULiège)	Malambu Mbala Edouard	2007-06-22
Badri Hanène	Effects of artificial light and ionizing radiation on the nutritive value of photosynthetic bacteria used for waste recycling in space	UMONS	Wattiez Ruddy (UMONS)	Leys Natalie	2015-01-23
Baena Angela	UO ₂ doped nuclear fuel	KULeuven	Binnemans Koen (KULeuven)	Cardinaels Thomas	2016-07-05
Baeten Peter	Quantification of Transuranic Elements by Neutron Multiplicity Counting. A new approach by Time Interval Analysis	VUB	Poortmans F. (VUB)	Carchon Roland	1999-04-30
Bakaev Alexander	Plasticity of Fe-Ni-Cr alloys under irradiation	UGent	Van Neck dimitri (UGent)	Terentyev Dmitry	2014-10-10
Bakaeva Anastasiia	Correlation between microstructure and retention in candidate materials for the first wall	UGent	Noterdaeme Jean-Marie (UGent)	Terentyev Dmitry	2018-12-19
Baselet Bjorn	Radiation-induced cardiovascular risks and the potential prophylactic effects of statins	UCL	Sonveaux Pierre (UCL)	Aerts An	2017-08-30



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Beck Michaël	Molecular mechanisms related to DNA damage, apoptosis and inflammation in fibroblasts and endothelial cells subjected to space simulated conditions	UGent	Van Oostveldt Patrick (UGent)	Baatout Sarah	2012-05-04
Belmans Niels	Dental pediatric imaging: an investigation towards low dose radiation induced risks	UHasselt	Lambrichts Ivo (UHasselt)	Moreels Marjan	2019-09-18
Ben Salem Issam	Study of the interaction of bacteria with radionuclides		Landolsi A.	Leys Natalie	2011-11-18
Berghmans Francis	Implementing Photonic Sensing in Nuclear Environments: from device-level case studies to dedicated system construction	VUB	Veretennicoff Irina (VUB)	Decreton Marc	1998-04-03
Biermans Geert	Biological effects induced in <i>A. thaliana</i> after exposure to radioactive and chemical contaminants in liquid discharge of nuclear power plants	UHasselt	Cuypers Ann (UHasselt)	Vanhoudt Nathalie	2013-09-26
Blanchart Pascale	Role of oxidative alteration of the Boom Clay for the formation of organic hydrosoluble compounds		Michels Raymond	Bruggeman Christophe	2012-03-23
Bombaerts Gunter	Waste depositionism - A philosophical inquiry on technoscientists and nuclear waste	UGent	Braeckman Johan (UGent)	Volckaert Geert	2004-11-26
Bonny Giovanni	Development and validation of many-body interatomic potentials to simulate the microstructural evolution of structural materials for nuclear applications	UGent	Van Neck dimitri (UGent)	Malerba Lorenzo	2009-06-29
Byloos Bo	Extraction of minerals from rocks with bacteria in space	UGent	Boon Nico (UGent)	Leys Natalie	2017-09-27
Cao Ying	Integration of radiation tolerant LIDAR receiver with mm accuracy and kHz repetition rate	KULeuven	Steyaert Michiel (KULeuven)	De Cock Wouter	2013-12-10
Castelliti Diego	Steam generator tube rupture		Lomonaco Guglielmo	Van den Eynde Gert	2018-04-23
Castin Nicolas	Atomistic kinetic Monte Carlo simulation of precipitation and segregation in metals for nuclear applications, using a novel	ULB	Hou Marc (ULB)	Malerba Lorenzo	2011-06-24

Name	Title	Univ.	Promoter	SCK-CEN Mentor	Thesis obtained
	methodology based on artificial neural networks				
Cautaerts Niels	Investigation of the influence of thermo-mechanical treatments on microstructure and mechanical properties of Ti stabilized 15Cr-15Ni austenitic stainless steel	UAntwerpen	Schryvers Dominique (UAntwerpen)	Delville Rémi	2019-09-04
Cea Andrew	R&D in support of the development of a Low-Enriched Uranium based radioisotope production target	UCL	Pardoen Thomas (UCL)	Van den Berghe Sven	2020-09-03
Chaouadi Rachid	Micromechanically-based damage modeling of crack initiation in reactor materials	KULeuven	De Meester Paul (KULeuven)	van Walle Eric	1996-02-28
Chiapetto Monica	Kinetic Monte Carlo studies of formation of radiation-induced phases in bainitic and ferritic/martensitic steels	ULille	Becquart Charlotte (ULille)	Malerba Lorenzo	2017-09-27
Chiriotti Alvarez Sabina	Microdosimetric characterization of a therapeutic charged particles beam	UCL	Vynckier Stefaan (UCL)	Vanhavere Filip	2015-10-01
Coeck Michèle	Structural changes in silicon due to neutron-irradiation in the BR2 reactor: neutron transmutation doping and low-energy excitations in neutron-disordered bulk silicon	KULeuven	Laermans Christiane (KULeuven)	Ponsard Bernard	1998-06-30
Condori Catachura Sandra	Characterization of the cell-to-cell communication system of <i>Rhodospirillum rubrum</i> .	UMONS	Wattiez Ruddy (UMONS)	Mastroleo Felice	2016-02-26
Coninx Emma	Identification of radiation-induced premature ageing and neurodegeneration in a mouse model for Alzheimer disease	KULeuven	Moons Lieve (KULeuven)	Verslegers Mieke	2020-10-02
Crabbé Aurelie	Use of the rotating wall vessel to acquire novel insights in <i>pseudomonas aeruginosa</i> pathogenesis	VUB	Cornelis Pierre (VUB)	Van Houdt Rob	2009-12-21
Craenen Kai	Effect of radiation on neural tube closure and related congenital abnormalities	KULeuven	Moons Lieve (KULeuven)	Benotmane Rafi	2018-12-18
D'huyvetter Matthias	Development of radiopharmaceuticals for cancer treatment	VUB	Lahoutte Tony (VUB)	Impens Nathalie	2014-09-30

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Daems Noami	Hybrid gold nanoparticles coated with organic polymers and antibodies as platforms for cancer theranostics: Investigation of the cytotoxicity mechanisms and feasibility study of radioactive doping	FUNDP	Lucas Stéphane (FUNDP)	Aerts An	2020-09-02
de Freitas Nascimento Luana	On-line dosimetry for radiotherapy using non-invasive optical fibre sensors with Al ₂ O ₃ :C OSL detectors	UGent	De Deene Yves (UGent)	Vanhavere Filip	2015-01-23
De Meutter Pieter	Uncertainty quantification in long range lagrangian atmospheric transport and dispersion modelling	UGent	Termonia Piet (UGent)	Camps Johan	2018-11-08
De Pauw Ben	Experimental analysis of flow-induced vibrations and application to the fuel rod bundle of the MYRRHA reactor	VUB	Berghmans Francis (VUB)	Van Tichelen Katrien	2015-11-05
De Ridder Jeroen	Computational analysis of flow-induced vibrations in fuel rod bundles of next generation nuclear reactors	UGent	Vierendeels Jan (UGent)	Schuurmans Paul	2015-09-29
Dekempeneer Yana	²¹³ Bismuth-labeled nanobodies as a new treatment approach in targeted alpha therapy	VUB	Caveliers Vicky (VUB)	Gysemans Mireille	2020-09-02
Delecaut Grégory	The geochemical behaviour of uranium in the Boom clay	UCL	Sonnet Philippe (UCL)	De Cannière Pierre	2004-06-28
DeParis Olivier	Etude physique et expérimentale de la tenue des fibres optiques aux radiations ionisantes par spectrométrie visible-infrarouge	UMONS	Blondel Michel (UMONS)	Decreton Marc	1997-05-23
Derradji Hanane	Congenital malformations induced by ionizing radiation in mouse embryos: investigating molecular changes	UGent	Van Oostveldt Patrick (UGent)	Baatout Sarah	2006-12-19
Dingemans Jozef	Effect of shear stress on Pseudomonas aeruginosa in the cystic fibrosis lung	VUB	Cornelis Pierre (VUB)	Van Houdt Rob	2015-10-28
Djikanovic Tamara	The study of temperature and radiation induced degradation of cable polymers	UCL	Devaux Jacques (UCL)	Konstantinovic Milan	2019-02-27
Dubinko Andrii	Embrittlement of fusion materials initiated by neutron irradiation	UGent	Noterdaeme Jean-Marie (UGent)	Terentyev Dmitry	2018-06-11

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El Saghire Houssein	Mechanisms behind low dose effects in pediatric populations undergoing x-ray examinations	UGent	Thierens Hubert (UGent)	Baatout Sarah	2014-01-28
Farina Fulvio	A re-evaluation of suspicious k0 and Q0 values in k0-INAA	UGent	Strijckmans Karel (UGent)	Vermaercke Peter	2017-12-05
Faustov Alexey	Fibre-optics temperature and radiation distributed monitoring in nuclear installations	UMONS	Mégret Patrice (UMONS)	Goussarov Andrei	2014-10-17
Fernández Fernández Alberto	Photonics for nuclear environments	ULB	Delchambre Alain (ULB)	Decreton Marc	2006-06-06
Fiengo Perez Fabricio	Modelling the dispersion of radionuclides in rivers	VUB	Bauwens Willy (VUB)	Sweeck Lieve	2014-09-17
Fiorito Luca	Development of uncertainty quantification and uncertainty modeling in the depletion code ALEPH	ULB	Labeau Pierre-Etienne (ULB)	Stankovskiy Alexey	2016-10-03
Fonseca Telma	Improving the internal contamination measurements by Monte Carlo modelling of in vivo measurements	KULeuven	Bogaerts Ria (KULeuven)	Vanhavere Filip	2014-01-13
Frederickx Lander	Advanced mineralogical study of the clay mineral fraction in Boom Clay	KULeuven	Elsen Jan (KULeuven)	De Craen Mieke	2020-02-07
Fucks Isabelle	The safety culture according to a "comprehensive approach" A contribution to Risk Governance within complex systems	ULiège	Zwetkoff Catherine (ULiège)	Hardeman Frank	2004-10-01
Gavrilov Serguei	Finite element simulation of stress corrosion cracking in an aqueous environment	VUB	Deconinck Johan (VUB)	Vankeerberghen Marc	2003-09-19
Ghardi Myriam	Radiation-induced chemical and biological modifications of biological fluids (amniotic fluid, plasma and serum)	UCL	Chatelain Bernard (UCL)	Baatout Sarah	2012-02-03
Ghys Lars	Experimental investigation of asymmetric fission in proton-rich nuclei around Z=82	KULeuven	Huyse Mark (KULeuven)	Popescu Lucia	2015-09-16
Gijs Marlies	Development of aptamer-based radiopharmaceuticals for cancer diagnosis and treatment	ULiège	Luxen André (ULiège)	Aerts An	2015-09-17
Gladinez Kristof	Mass transport of oxygen and corrosion products in LBE cooled systems	UGent	Heynderickx Geraldine (UGent)	Rosseeel Kris	2019-09-19

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Gommers Annick	Radiocaesium uptake and cycling in willow short rotation coppice	KULeuven	Smolders Erik (KULeuven)	Vandenhove Hildegard	2001-04-09
Gong Xing	Effects of an LBE environment and hold times on the fatigue properties of austenitic and ferritic-martensitic MYRRHA candidate materials	KULeuven	Seefeldt Marc (KULeuven)	Marmy Pierre	2015-11-30
Gonzalez Borja	Immobilization of gaseous polonium on solid adsorbents	KULeuven	Martens Johan (KULeuven)	Aerts Alexander	2015-06-18
Goor François	Processes and dynamics of radiocaesium cycling in Chernobyl-contaminated pine forest : a multi-scale approach	UCL	Delvaux Bruno (UCL)	Thiry Yves	2003-03-01
Govers Kevin	Atomic scale simulations of noble gases behaviour in uranium dioxide	ULB	Dubus Alain (ULB)	Lemehov Sergei	2008-06-27
Grigorev Petr	Assessment of retention of plasma components in Tungsten in the presence of neutron irradiation: multi-scale modelling approach	UGent	Noterdaeme Jean-Marie (UGent)	Terentyev Dmitry	2017-04-27
Haeck Wim	An optimum approach to Monte Carlo burn-up	UGent	Wagemans Cyril (UGent)	Aït Abderrahim Hamid	2007-04-16
Heldt Tobias	Nuclear liability in the European legal framework	METRO	Faure Michael (METRO)	Veuchelen Ludo	2015-10-28
Honorio da Silva Edilaine	Development of practical eye lens dosimetry for interventional procedures in hospitals	VUB	Buls Nico (VUB)	Vanhavere Filip	2018-02-19
Houngbo Donald	Development of a liquid-PbBi target for ISOL@MYRRHA	UGent	Vierendeels Jan (UGent)	Popescu Lucia	2016-09-28
Ilyina Natalia	Investigation of micro- and nanoparticles for non-invasive dosimetry		D'hooge Jan	D'Agostino Emiliano	2017-07-03
Jacobs Marijke	Radiation-induced structural degradation in glass to metal interface: from physics to practical applications	UGent	Van Oost Guido (UGent)	Goussarov Andrei	2012-05-24
Jacops Elke	Gas diffusivity as a probe for structural (porosity and transport) properties of geological strata	KULeuven	Swennen Rudy (KULeuven)	Bruggeman Christophe	2018-07-02
Jaluvka David	Development of computational algorithms and software for the optimization of the core	KULeuven	Vandewalle Stefan (KULeuven)	Van den Eynde Gert	2015-02-02

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	management of Myrrha and other radiation facilities				
Jansson Ville	Radiation-induced microstructure evolution models for Fe alloys	UHelsinki	Nordlund Kai (UHelsinki)	Malerba Lorenzo	2013-12-18
Kesteloot Nele	Coulomb excitation of Polonium isotopes	KULeuven	Van Duppen Piet (KULeuven)	Popescu Lucia	2015-03-18
Klok Oksana	Liquid metal corrosion effects on MYRRHA	VUB	De Graeve Iris (VUB)	Lambrinou Konstantza	2018-03-06
Konings Katrien	Impact of different radiation qualities on molecular and functional changes in cancer cells: role of Hedgehog signaling	KULeuven	Haustermans Karin (KULeuven)	Moreels Marjan	2019-02-22
Laes Eric	Nuclear energy and sustainable development. Theoretical reflections and critical-interpretative research towards a better support for decision making Sustainable development, governance, technology assessment	KULeuven	D'haeseleer William (KULeuven)	Meskens Gaston	2006-10-16
Lambrecht Marlies	Advanced experimental techniques for the comprehension of hardening and embrittlement mechanisms in RPV steels	UGent	Houbaert yvan (UGent)	Malerba Lorenzo	2009-11-28
Lapauw Thomas	MAX phase-based materials for the MYRRHA pump impeller	KULeuven - MTM	Vleugels Jozef (KULeuven - MTM)	Lambrinou Konstantza	2017-12-01
Leinders Gregory	Passivation of UO ₂ and other actinide oxide nanopowders	KULeuven	Binnemans Koen (KULeuven)	Cardinaels Thomas	2016-09-14
Lewyckyj Nicolas	Retention of radiocaesium traces in clays : a dynamic semi-empirical modeling	UCL	Delvaux Bruno (UCL)	Zeevaert Theo	2000-12-13
Li Xiaoqiang	Effects of the stacking fault energy on the localized deformation, neutron irradiation induced defect accumulation behaviours and irradiation assisted stress corrosion cracking in stainless steels	UGent	De Cooman Bruno (UGent)	Van Dyck Steven	2005-05-11
Lierman Steven	A legal analysis of the use of ionising radiation in medical hospital practice: an inquiry into	UAntwerpen	Vansweevelt Thierry (UAntwerpen)	Veuchelen Ludo	2004-01-14

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	the influence of prevention and precaution on health protection and liability				
Lombardo Pasquale Alessandro	Creation of computational phantoms for applications in internal dosimetry	KULeuven	Bogaerts Ria (KULeuven)	Lebacq Anne Laure	2018-01-23
Macaeva Ellina	Identification and functional analysis of biomarkers of low-dose (low-LET and high-LET) ionizing radiation	UGent	Baatout Sarah (UGent)	Quintens Roel	2017-08-18
Manfredi Gabriele	Oxygen sensors for MYRRHA	ULB	Herman-Buess Claudine (ULB)	Lim Jun	2018-02-21
Marino Alessandro	Numerical modeling of oxygen mass transfer in the MYRRHA system	VUB	Deconinck Johan (VUB)	Lim Jun	2015-09-25
Mastroleo Felice	Proteomic and genomic analysis on the effects of spaceflight related environmental conditions on the photosynthetic bacterium Rhodospirillum rubrum ATCC25903 used in Life Support Systems	UMONS	Wattiez Ruddy (UMONS)	Van Houdt Rob	2009-01-23
Matijasevic Milena	Microstructure and mechanical properties of Fe-cr model alloys and high Cr steels under neutron irradiation	UGent	Verleysen P. (UGent)	Al-Mazouzi Abderrahim	2007-11-16
Mbouombou Mfossa André	Mechanistic analysis of radiation-induced microcephaly and cognitive impairment in mice	KULeuven	Huylebroeck Danny (KULeuven)	Quintens Roel	2020-02-03
Meleshenkovskii Iaroslav	Medium resolution gamma rays spectroscopy for safeguards applications	ULB	Pauly Nicolas (ULB)	Camps Johan	2019-08-27
Mijnendonckx Kristel	Structural and functional analysis of plasmids in Cupriavidus/Ralstonia bacteria of potential interest for nuclear waste detoxification and spacecraft sanitary control	UCL	Mahillon Jacques (UCL)	Van Houdt Rob	2013-11-07
Minov Boris	Investigation of the hardening in neutron irradiated and thermally aged iron-copper alloys, on the basis of mechanical and magnetic relaxation phenomena	UGent	Dupré Luc (UGent)	Konstantinovic Milan	2012-04-24
Monchy Sébastien	Organisation et expression des gènes de résistance aux métaux	ULB	Toussaint Ariane (ULB)	Mergeay Max	2007-06-01

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	lourds chez Cupriavidus metallidurans CH34				
Monteyne Griet	Identification in nuclear and thermal energy moderator temperature coefficient estimation via noise analysis and black-box modeling of heat transfer	VUB	Schoukens Jan (VUB)	Baeten Peter	2013-04-22
Moortgat Celine	Search for a sterile neutrino using a short-baseline oscillation experiment at the BR2 research reactor	UGent	Ryckbosch Dirk (UGent)	Popescu Lucia	2018-11-12
Mori Marcella	Profile of Gene Expression Induced by Ionizing Radiation in Different Human Cell Types	VUB	Hooghe - Peters E. (VUB)	Desaintes Christian	2005-06-17
Morin Nicolas	Studies on the response to spaceflight related conditions in the cyanobacterium Arthrospira sp. PC8005 using a genomic approach	ULiège	Wilmotte Annick (ULiège)	Leys Natalie	2009-12-16
Mwihaki Kariuki Jackline	Mechanistic understanding of the response to low-dose radiation in plant differing in radiosensitivity: molecular profiling of radiation-exposed Arabidopsis thaliana and Oryza sativa	UHasselt	Cuypers Ann (UHasselt)	Horemans Nele	2019-09-26
Ouliddren Kamreddine	An Approach to Incremental Fuzzy Modelling of Dependencies in Complex Physical Systems	VUB	Jonckers Viviane (VUB)	Arien Baudouin	1998-12-01
Pani Giuseppe	Effect of space conditions on neuronal plasticity and connectivity	UGent	Van Oostveldt Patrick (UGent)	Benotmane Rafi	2013-06-19
Parisi Alessio	Space dosimetry with luminescent detectors	UMONS	Mégret Patrice (UMONS)	Van Hoey Olivier	2018-09-13
Patel Ravi	Lattice Boltzmann method based framework for simulating physico-chemical processes in heterogeneous porous media and its application to cement paste	UGent	De Schutter Geert (UGent)	Perko Janez	2016-04-21
Pauwels Noël	Precautionary interventions in industrial areas. An optimal stopping approach	UAntwerpen	Soudan Karel (UAntwerpen)	Hardeman Frank	2000-02-04

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Perko Tanja	Risk communication in nuclear emergency management	UAntwerpen	Thijssen Peter (UAntwerpen)	Turcanu Catrinel	2012-09-24
Phung Quoc	Experimental and phenomenological study of the effect of chemical detrimental processes on transport properties of concrete	UGent	De Schutter Geert (UGent)	Maes Norbert	2015-03-30
Pirlet Véra	The investigation of the neptunium complexes formed upon interaction between high-level waste glass and Boom Clay medium	ULiège	Desreux Jean-Francois (ULiège)	Van Iseghem Pierre	2003-05-15
Props Ruben	Microbial community fingerprinting to predict pathogen outgrowth in engineered aquatic systems	UGent	Boon Nico (UGent)	Monsieurs Pieter	2018-10-15
Put sofie	Radiation tolerance of advanced cmos and bipolar technologies	KULeuven	Leroux Paul (KULeuven)	De Cock Wouter	2010-11-30
Puype Athina	Development of improved ferritic/martensitic creep-resistant steels for nuclear energy	UGent	Petrov Roumen (UGent)	Malerba Lorenzo	2018-12-07
Pycke Benny	Het lot van micropolluenten en hun invloed op de micro-organismen in het kortgesloten micro-ecosysteem MELiSSA	UGent	Verstraete willy (UGent)	Leys Natalie	2009-12-15
Ramadan Raghda	The role of intercellular communication in low dose radiation-induced atherosclerosis	UGent	Leybaert Luc (UGent)	Aerts An	2019-09-30
Raucy Christopher	Analysis and optimisation of an RFQ accelerator for the MYRRHA system	UCL	Craeye Christophe (UCL)	Vandeplassche Dirk	2017-01-17
Rogiers Bart	Conditional stochastic simulation of groundwater flow and contaminant transport in a sandy aquifer at Mol/Dessel	KULeuven	Batelaan Okke (KULeuven)	Gedeon Matej	2013-11-27
Rombouts Charlotte	Non cancer effects (and in particular cardio-vascular effects) related to low doses of radiation	UGent	Baatout Sarah (UGent)	Aerts An	2014-04-24
Rossa Riccardo	Advanced non destructive methods for criticality safety and safeguards of used nuclear fuel	ULB	Labeau Pierre-Etienne (ULB)	Borella Alessandro	2016-09-30
Rossignol Nicolas	Safety and security governance in practice	ULg	Fallon Catherine (ULg)	Turcanu Catrinel	2016-04-29

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Saenen Eline	Physiological and genetic response of Arabidopsis thaliana to multiple stressors	UHasselt	Cuypers Ann (UHasselt)	Vanhoudt Nathalie	2013-09-25
Salvagnini Elena	Proposition and large scale verification of optimized dose settings for 2D and 3D digital mammography	KULeuven	Bosmans Hilde (KULeuven)	Struelens Lara	2015-04-30
Samari Nada	Effect of low dose radiation on neural plasticity and connectivity	VUB	Leyns Luc (VUB)	Benotmane Rafi	2013-02-21
Sapundjev Danislav	Compatibility of structural materials with liquid lead-bismuth eutectic - Liquid metal corrosion and liquid metal embrittlement of steels in liquid lead-bismuth	KULeuven	Bogaerts Walter (KULeuven)	Van Dyck Steven	2007-03-01
Schreinemachers Christian	Investigation of the influence of redox conditions on the conversion of actinide solutions into solid microspheres via sol-gel chemistry	KULeuven	Binnemans Koen (KULeuven)	Verwerft Marc	2020-08-27
Scibetta Marc	Contribution to the evaluation of the circumferentially-cracked round bar for fracture toughness determination of reactor pressure	ULiège	Nguyen-Dang Hung (ULiège)	van Walle Eric	1999-06-18
Smans Kristien	The development of dose optimisation strategies for X-ray examinations of newborns	KULeuven	Bosmans Hilde (KULeuven)	Vanhavere Filip	2009-09-24
Strackx Maarten	Development of an ultra wide band device for in-vivo dosimetry	KULeuven	Reynaert Patrick (KULeuven)	D'Agostino Emiliano	2015-06-01
Struelens Lara	Optimization of patient doses, linked to image quality, in vascular radiology	VUB	Van Loon Ronald (VUB)	Vanhavere Filip	2005-01-27
Suetens Annelies	A biological and dosimetric study of hadrontherapy on tumor and normal cells	UCL	Grégoire Vincent (UCL)	Moreels Marjan	2015-01-27
Terentyev Dmitry	Study of radiation effects in FeCr alloys for fusion applications using computer simulation	ULB	Hou Marc (ULB)	Malerba Lorenzo	2006-12-07
Thiry Yves	Etude du cycle du raediocaesium en ecosystŠme forestier: Distribution et facteurs de mobilité	UCL	Delvaux Bruno (UCL)	Vandecasteele Christian	1997-06-12
Tindemans Tom	A contribution to the development of sensitive and	UGent	Vanhaecke Frank (UGent)	Dobney Andrew	2014-12-19

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	isotope-selective analytical methods based on sector-field ICP-mass spectrometry for supporting the development of Gen IV nuclear reactors				
Toti Antonio	Development and validation of a computational approach to simulate 3D phenomena occurring in the MYRRHA reactor during Loss of Flow transients	UGent	Vierendeels Jan (UGent)	Belloni Francesco	2018-07-02
Tunca Bensu	Towards the development of novel cladding materials based on nanolaminated ternary carbides (MAX phases) for different nuclear systems	KULeuven - MTM	Vleugels Jozef (KULeuven - MTM)	Lambrinou Konstantza	2020-02-07
Turcanu Catrinel	Multi-criteria decision aiding model for the evaluation of agricultural countermeasures after an accidental release of radionuclides to the environment	ULB	Vincke Philippe (ULB)	Carlé Benny	2007-10-31
Uematsu Shin'ichiro	Vulnerability of Japanese soils for radiocaesium transfer in the food chain: a soil chemical and plant physiological approach	KULeuven	Smolders Erik (KULeuven)	Vandenhove Hildegard	2017-03-20
Uytendhouwen Inge	Degradation of plasma facing materials under ITER relevant loading conditions	UGent	Van Oost Guido (UGent)	Decreton Marc	2010-02-10
Uyttenhove Wim	On-line subcriticality monitoring	TU Delft	Wolterbeek H.T. (TU Delft)	Van den Eynde Gert	2016-01-04
Van de Voorde Michiel	Supported ionic liquid phases for extraction and separation of medical radiolanthanides	KULeuven	Binnemans Koen (KULeuven)	Cardinaels Thomas	2019-08-27
Van de Walle Bartel	Het bestaan en de karakterisatie van vaagpreferentiestructuren	UGent	Kerre Etienne (UGent)	Zeevaert Theo	1996-11-08
van de Walle Jorden	Contribution of epigenetic processes to the induction of long-term effects and adaptive responses of plants exposed to low-dose radiation	UHasselt	Cuyppers Ann (UHasselt)	Horemans Nele	2018-05-25
Van den Berghe Sven	The uranium valence in the Cs-U-O system : crystal structures and thin layers contribution to the physico-chemical study of grain boundaries in irradiated fuel	Limoges	Gaudreau B. (Limoges)	Verwerft Marc	2001-11-08

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Van den Bosch Joris	ADS Candidate Materials Compatibility with Liquid Metal in a Neutron Irradiation Environment	UGent	Degrieck Joris (UGent)	Al-Mazouzi Abderrahim	2008-12-11
Van den Eynde Gert	Neutron Transport with Anisotropic Scattering. Theory and Applications	ULB	Beauwens Robert (ULB)	Malambu Mbala Edouard	2005-05-12
Van Hoeck Arne	Stress responses induced in Lemna minor by different radiation types: characterisation and comparison by a multi-endpoint molecular approach.	UAntwerpen	Blust Ronny (UAntwerpen)	Horemans Nele	2016-03-09
Van Hoey Olivier	Simulation of plasma-wall interaction processes and tritium retention in fusion relevant materials: experiments and modeling	UGent	Van Oost Guido (UGent)	Uytendhouwen Inge	2014-09-25
Van Ouytsel Kristel	Internal friction of pressure vessel steel embrittlement	VUB	Poortmans F. (VUB)	Fabry Albert	2000-09-27
Van Uffelen Paul	Contribution to the modelling of fission gas release in light water reactor fuel	ULiège	Vandenberg Claude (ULiège)	van der Meer Klaas	1995-06-23
Vandecraen Joachim	Study of stress-induced mutagenesis	KULeuven	Aertsen Abram (KULeuven)	Van Houdt Rob	2016-06-02
Vanden Borre Tom	Efficient prevention and compensation of catastrophic risks - the example of nuclear accidents	METRO	Faure Michael (METRO)	Veuchelen Ludo	2001-06-29
Vanhavere Filip	Neutronendosimetrie met bubbeldetector	UGent	Thierens Hubert (UGent)	Loos Mark	1998-12-09
Vanhoudt Nathalie	Study of biological effects induced in Arabidopsis thaliana following bioaccumulation of U and Cd and exposure to external gamma radiation: applying a multi-biomarkers approach	UHasselt	Vangronsveld Jaco (UHasselt)	Vandenhove Hildegard	2009-09-18
Vanmaercke Simon	Secondary SCRAM System for Liquid Metal Cooled Nuclear Reactors	UCL	Bartosiewicz Yann (UCL)	Van den Eynde Gert	2012-02-27
Verheyde Joris	Ionizing radiation induced transcriptional changes in the developing mouse brain	VUB	Leyns Luc (VUB)	Benotmane Rafi	2006-12-15

Name	Title	Univ.	Promoter	SCK-CEN Mentor	Thesis obtained
Verhiest Katelijne	Development of dispersion-strengthened steels for high temperature applications using modern thermomechanical processing techniques	UGent	Houbaert yvan (UGent)	De Bremaecker Anne	2010-11-01
Verreet Tine	Assessment of the effect of low doses of radiation on neurogenesis at an in vivo level from the prenatal to the postnatal period	KULeuven	Moons Lieve (KULeuven)	Benotmane Rafi	2015-11-19
Verstraeten Bert	Researching the characteristics of thermo-elastic materials in the limit of water-thin layers and interfaces	KULeuven	Glorieux Christ (KULeuven)	Schuurmans Paul	2013-09-25
Vervecken Lieven	Improved modelling and experimental validation of atmospheric dispersion on the very local scale	KULeuven	Meyers Johan (KULeuven)	Camps Johan	2015-10-14
Waegeneers Nadia	Soil processes affecting the bioavailability of radiocaesium	KULeuven	Smolders Erik (KULeuven)	Vandenhove Hildegarde	1995-06-24
Wangle Tadeáš	Improving the sintering behaviour of thorium oxide	KULeuven - MTM	Vleugels Jozef (KULeuven - MTM)	Verwerft Marc	2020-01-20
Zayachuk Yevhen	Fundamental research of the hydrogen retention in tungsten under fusion relevant conditions	UGent	Van Oost Guido (UGent)	Uytendhouwen Inge	2013-10-24
Zinovev Aleksandr	Finite element modelling of mechanical properties of Tungsten under neutron irradiation	UCL	Delannay Laurent (UCL)	Terentyev Dmitry	2019-10-03
Zsabka Peter	Radiation-resistant ionic liquids for extraction of minor actinides	KULeuven	Binnemans Koen (KULeuven)	Cardinaels Thomas	2020-01-31