



## Europass Curriculum Vitae



### Personal Information

First name / Surname	<b>Sarah Marie Kandrot</b>		
Address	21 Highlands, Passage West, Cork Ireland		
Telephone(s)	+353 21 4841731	Mobile	+353 87 2613244
E-mail(s)	<a href="mailto:skandrot@gmail.com">skandrot@gmail.com</a>		
Nationality	American		
Date of birth	27 February 1987		
Gender	Female		

### Education and training

Dates	September 2011 – Present (Anticipated completion: 2014)
Title of qualification (to be awarded)	<b>PhD</b>
Scholarship / awards:	Geography Department Full Fees Studentship
Principal subjects / occupational skills covered	Coastal dune morphodynamics / GIS / Terrestrial Laser Scanning (Ground-based LiDAR) Courses/Workshops Completed: PG6001 STEPS (Scientific Training for Enhanced Postgraduate Study); Teaching and Learning Workshop; ST6013 (Statistics and Data Analysis for Postgraduate Research Students)
Dissertation	Terrestrial Laser Scanning for Morphological Change Detection and Analysis of Coastal Foredunes
Supervisor(s)	Prof. Robert Devoy, Dr. Fiona Cawkwell, Jeremy Gault
Name and type of organisation providing education and training	University College Cork Western Road, Cork (Ireland)

Dates	September 2010 – September 2011
Title of qualification awarded	<b>Masters in Geography – Coastal Management and GIS, First Class Honours</b>
Principal subjects / occupational skills covered	Coastal Zone Management, Geographical Information Systems and their Applications, Applied Techniques in Geography, Strategies and Critical Approaches to Research Design, Coastal and Environmental Functioning
Dissertation	Beach-dune morphological relationships at Youghal Beach, Cork
Supervisor(s)	Prof. Robert Devoy
Name and type of organisation providing education and training	University College Cork Western Road, Cork (Ireland)

Dates	September 2009 – May 2010
Title of qualification awarded	<b>Higher Diploma in Geography, First Class Honours</b>
Principal subjects / occupational skills covered	Geographical Research Methods, Geographical Data Analysis, The Nature of Geography, Marine Environments, Quaternary Environments and Geomorphology, Introduction to Geoinformatics, The Atmospheric Environment, Dynamic Climatology, Advanced GIS
Dissertation	Climate Sensitivity to Increases in Atmospheric Methane Emissions from Permafrost
Supervisor(s)	Dr. Una Ni Chaiomh
Name and type of organisation providing education and training	University College Cork Western Road, Cork (Ireland)

Dates	September 2005 - May 2009
Title of qualification awarded	<b>BA Earth Sciences</b>
Principal subjects / occupational skills covered	General Quantitative Analytical Chemistry (I & II), Physics (I & II), Environmental Earth Science, History of the Earth, Geochemistry, Mineralogy, Igneous and Metamorphic Petrology, Geodynamics, Surface Processes, Hydrology, Sedimentology, Paleoclimatology/Oceanography, Marine Biogeochemistry, Ice Age Systems, Cosmic Evolution, Introduction to Environmental Science, Climate and Environment, Remote Sensing, Introduction to GIS
Name and type of organisation providing education and training	Boston University Commonwealth Avenue, Boston, MA (USA)
<b>Other Career Related Training</b>	<b>James Madison University Geology Field Course</b> completed in Co. Galway, Ireland, Summer 2008 <b>Eurofleets Multidisciplinary Marine Science Training</b> onboard the Irish National Research Vessel the R.V. Celtic Voyager completed in Cork, Ireland, August 2010

### Personal skills and competences

Other language(s)																															
Self-assessment																															
European level (*)																															
<b>French</b>	<table><tr><th colspan="4">Understanding</th><th colspan="4">Speaking</th><th colspan="2">Writing</th></tr><tr><th colspan="2">Listening</th><th colspan="2">Reading</th><th colspan="2">Spoken interaction</th><th colspan="2">Spoken production</th><th colspan="2"></th></tr><tr><td>A1</td><td>Basic User</td><td>A1</td><td>Basic User</td><td>A1</td><td>Basic User</td><td>A1</td><td>Basic User</td><td>A1</td><td>Basic User</td></tr></table>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User
Understanding				Speaking				Writing																							
Listening		Reading		Spoken interaction		Spoken production																									
A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User	A1	Basic User																						
	(*) <a href="#">Common European Framework of Reference (CEF) level</a>																														
Social skills and competences	<p>Excellent skill set range in the following areas:</p> <ul style="list-style-type: none"><li>• Interdisciplinary communication</li><li>• Ability to work within a research team</li><li>• Ability to adapt to multicultural environments</li></ul>																														
Organisational skills and competences	<p>Excellent skill set range in the following areas:</p> <ul style="list-style-type: none"><li>• Strategic planning</li><li>• Time management</li><li>• Leadership</li><li>• Statistical analysis</li><li>• Oral and written communication</li></ul>																														
Technical skills and competences	<ul style="list-style-type: none"><li>• GIS Analysis (eg. site selection, visual impact assessment, multi-criteria spatial analysis, etc)</li><li>• Terrestrial laser scanning (Experience with Leica ScanStation &amp; Leica C10)</li><li>• Sediment grain size analysis</li><li>• Ground penetrating radar (GPR) surveying</li><li>• Land surveying</li><li>• Augering/vibracoring</li><li>• Mineralogical/lithofacies analysis</li><li>• Structural analysis of folds and faults</li></ul>																														
Computer skills and competences	<ul style="list-style-type: none"><li>• ArcGIS v. 10.1</li><li>• ArcPad</li><li>• Leica Cyclone</li><li>• EdGCM</li><li>• ERDAS Imagine</li><li>• ENVI</li><li>• Microsoft Word</li><li>• Microsoft Excel</li></ul>																														

Artistic skills and competences

- Microsoft Powerpoint
- Adobe Photoshop
- Adobe Illustrator
- Graphic Design
- Photography

Driving licence(s)

Full license for USA; B (Provisional) for Ireland

### Additional information

Publication(s)

**Kandrot, S.M.** (2012) 'Beach-dune morphological Relationships at Youghal Beach, Co. Cork.' Bridging the Geographic Information Sciences: Lecture Notes in Geoinformation and Cartography, Part 7, 367-390, DOI: 10.1007/978-3-642-29063-3\_20.

Poster Presentations

**Kandrot, S.M., Curtis, C., Cudney, S., Buynovich, I., FitzGerald, D., Hein, C., and Hughes, Z.** (2009) 'Massive Overwash at Seal Cove Maine: Evidence for the Great Colonial Hurricane of 1635.' Poster session presented at: Proceedings of the Geological Society of America Northeastern Section Meeting; 2009 March 22-24; Portland, ME, USA; Geological Society of America Abstracts with Programs, Vol. 41, No. 3, p. 42.

**Kandrot, S.M.** (2011) 'Assessing Beach-Dune Processes and Morphological Relationships using LiDAR and Precise Survey Techniques at Youghal Beach, Co. Cork.' Poster session presented at: 5th Irish Earth Observation Symposium; 2011 November 17-18; Wexford, Ireland.

**Kandrot, S.M., Devoy, R.J., Cawkwell, F., and Gault, J.** (2012) 'Chronotopographic Analysis of Coastal Sand Dunes using Terrestrial Laser Scanning.' Poster session presented at: Annual Conference of the UK Remote Sensing and Photogrammetry Society; 2012 September 13; Greenwich, UK.

**Kandrot, S.M.** (2012) 'Chronotopographic Analysis of Coastal Sand Dunes using Terrestrial Laser Scanning.' Poster session presented at: Irish Organisation for Geographic Information (IRLOGI) GIS Ireland Conference; 2012 October 11; Chartered Accountants House, Dublin, Ireland.

Oral Presentations

**Kandrot, S.M.** (2012) 'Beach-dune morphological Relationships at Youghal Beach, Co. Cork.' Paper presented at: AGILE 2012. Proceedings of the 15<sup>th</sup> AGILE International Conference on Geographic Information Science; 2012 April 25-17; Avignon, France.

**Kandrot, S.M.** (2012) 'Weathering the Storm: Protecting the Coasts of Ireland in a Changing Climate.' Presented at: University College Cork Doctoral Showcase Finals (The Grand Plan); 2012 Jun 7; Cork, Ireland.

**Kandrot, S.M.** (2012) 'Chronotopographic Analysis of Coastal Sand Dunes using Terrestrial Laser Scanning.' Sixth Irish Earth Observation Symposium 2012; 2012 November 2; Dublin Institute of Technology, Dublin, Ireland.

**Kandrot, S.M.** (2012) 'Chronotopographic Analysis of Coastal Sand Dunes using Terrestrial Laser Scanning.' UK Remote Sensing and Photogrammetry Society Wavelength Conference. Kelvingrove Art Gallery and Museum; Glasgow UK. – **Winner** Best Oral Presentation

Life Experience

**Camino de Santiago**, 800 km pilgrimage on foot across Northern Spain from St. Jean Pied-de-Port, France to Santiago de Compostela, Spain (June-July 2009)

### Work experience

Dates

May 2012

Occupation or position held

**UCC Exam Invigilator**

Name and address of employer

Student Records and Examinations Office  
West Wing

Type of business or sector	University College Cork Cork T: +353 (0)21 4902422 F: +353 (0)21 4903448 E: <a href="mailto:exams@ucc.ie">exams@ucc.ie</a> Education
Dates	February 2012 to present
Occupation or position held	<b>UCC Plus Tutor</b>
Name and address of employer	UCC PLUS+ Programme 1-2 Brighton Villas UCC T: +353 (0)21 4903282
Type of business or sector	Education
Dates	November 2011 to present
Occupation or position held	<b>Disability Support Service Tutor</b>
Name and address of employer	UCC Disability Support Service South Lodge, UCC, College Road, Cork T: +353 (0)21 4902985 E: <a href="mailto:dssinfo@ucc.ie">dssinfo@ucc.ie</a>
Type of business or sector	Education
Dates	October 2011 to May 2012
Occupation or position held	<b>GIS Diploma Demonstrator</b>
Name and address of employer	UCC Geography Department O'Donovan's Road, Cork
Type of business or sector	Education
Dates	August 2010 to present
Occupation or position held	<b>Part-time organic fruit and vegetable shop assistant, The Good Food Shop</b>
Name and address of employer	Marc O'Mahony The English Market St. Patrick's Street, Cork (Ireland)
Type of business or sector	Organic foods
Dates	December 2005 - 15 May 2009
Occupation or position held	<b>Office/Booking Manager, Jenny the Juggler Entertainment</b>
Name and address of employer	Jennifer Thompson Boston, MA (USA)
Type of business or sector	Entertainment
Dates	February 2009 - April 2009
Occupation or position held	<b>Tax preparation office administrative assistant</b>
Name and address of employer	Andrew J Mason Boston, MA (USA)
Type of business or sector	Tax preparation
Dates	June 2008 - September 2008
Occupation or position held	<b>English Tutor</b>
Name and address of employer	Harvard Square Academy

Type of business or sector	Cambridge, MA (USA) Education
Dates	May 2005 - August 2005
Occupation or position held	<b>Administrative Assistant</b>
Name and address of employer	Dr. Kenneth Lilik Scranton, PA (USA)
Type of business or sector	Neurological Subspecialties

**References available upon request**