

CURRICULUM VITAE

Lucian- Daniel Drăguț

February 2014



CURRENT POSITIONS

Lecturer

Department of Geography, West University of Timișoara, Romania.

EDUCATION

‘Babeș-Bolyai’ University Cluj-Napoca, Romania
Ph.D. Geomorphology, 2003

‘Babeș-Bolyai’ University Cluj-Napoca
M.Sc. Applied Geomorphology, 1996

West University of Timișoara, Romania
B.A. Geography, 1995

PROFESSIONAL EXPERIENCE

Lecturer, Department of Geography, West University of Timișoara, October 2004-present.

Visiting Associate Professor, Center for Spatial Information Science (CSIS), the University of Tokyo, January-March 2013.

Researcher and project manager, Z_GIS - Centre for Geoinformatics & Department of Geography and Geology, University of Salzburg, May 2006- September 2011.

Fulbright Senior Fellow, CAST - Center for Advanced Spatial Technologies, University of Arkansas, October 2005- March 2006.

Guest researcher, Z_GIS - Centre for Geoinformatics, University of Salzburg, October 2002- May 2003.

Lecturer, Department of Geography, ‘Babeș-Bolyai’ University Cluj-Napoca, February 2002- September 2004.

Visiting scientist, Department of Geography, University of Ottawa, October-December 1999.

Teaching Assistant, Department of Geography, ‘Babeș-Bolyai’ University Cluj-Napoca, October 1996- January 2002.

COURSES TAUGHT

Research methods and scientific writing.
Geomorphometry.
Data acquisition and integration.
GIS applied in environmental management.
Remote Sensing.
Regional Geography of Romania.
Landscape Ecology.
Introduction to Regional Planning.

OTHER PROFESSIONAL POSITIONS

2013

Member in the Scientific Committee of Geomorphometry 2013 International Conference, October 16-20, 2013, Nanjing, China.

2012

Member in the Scientific Board of Forum Carpathicum 2012, May 30-June 2, Stara Lesna, Slovakia.

Member in the Scientific Committee of GEOBIA 2012 International Conference, May 7-9, Rio de Janeiro, Brazil.

Co-convener of the session 'Geo5': Geomorphometric approaches in archaeology', 40th Annual Conference on Computer Applications and Quantitative Methods in Archaeology (CAA2012), March 26-30, 2012, Southampton, UK.

2011

Member in the Scientific Board of the Earth Sciences Committee, Romanian National Research Council.

Member in the Scientific Committee of Geomorphometry 2011 International Conference, September 7-11, 2011, Redlands, California, USA.

Scientific evaluator for the National Science Foundation (USA).

Co-convener of the session 'Image Analysis & Remote Sensing' (IMG1), IAMG2011 International Conference, September 5-9, 2011, Salzburg, Austria.

Scientific evaluator for the Belgian Earth Observation Platform.

2010

Expert evaluator for the Romanian-U.S. Fulbright Commission.

2009

Member in the Scientific Committee of the Society of Geomorphometry

Member in the Scientific Committee of Geomorphometry 2009 International Conference, 31 August- 2 September 2009, Zurich, Switzerland.

Coordinator of the Symposium 'The third and fourth dimensions of landscapes' within the European IALE Conference, July 14, Salzburg, Austria.

2008

Editor Central European Journal of Geosciences.

Expert evaluator of grants administered by the National University Research Council (NURC), Romania.

Member of the Science for the Carpathians (S4C) network.

Member of the European Geosciences Union (EGU).

2007

Member of the Mountain Research Initiative (MRI) network.

2005

National Representative of Romania in the IGU Commission on the Sustainability of Rural Systems.

Contact Person within the CEEPUS (Central European Exchange for University Studies) network 'Applied Geoinformatics (CEE- GIS)'.

2004

Member of the National Society for Geography.

2002

National Representative of Romania in the Permanent European Conference for the Study of the Rural Landscape (PECSRL).

2001

Member of the International Association for Landscape Ecology (IALE).

Coordinator of the ERASMUS European mobility program, Department of Geography, 'Babeş-Bolyai' University Cluj-Napoca.

2000

Member of the Romanian Society for Geomorphology.

REVIEWER: IEEE Transactions on Geoscience and Remote Sensing (IEEE TGRS), International Journal of Geographical Information Science (IJGIS), Ecological Indicators, International Journal of Applied Earth Observation and Geoinformation (JAG), Geomorphology, Remote Sensing of Environment, Landscape and Urban Planning, Computers & Geosciences, Journal of Selected Topics in Applied Earth Observation and Remote Sensing (IEEE-J-STARS), Earth Surface Processes and Landforms, Natural Hazards.

RESEARCH EXPERIENCE

2011

FuSE_DEM/ PN-II-ID-PCE-2011-3-0499- *Fundamental surface elements on digital elevation models*. (PI) National Research Council. RON 500,000 (ca EUR 100,000) (2011-2012).

2009

SCALA-PLUS/ FP7-239312- *Scales and Hierarchies in Geomorphometry*. (PI) European Commission. EUR 37,500. (2009-2011).

2008

SCALA/ FWF-P20777-N15- *Scales and hierarchies in landform classification*. (Co-PI) Der Wissenschaftsfonds- FWF, Austria. EUR 282,087.54. (2008-2011).

2006

BRAHMATWINN/ FP6-036952- *Twinning European and South Asian River basins to enhance capacity and implement adaptive integrated water resources management approaches*. European Commission. Personal task: contribution to WP_3- Assessment of the natural environment. (2006- 2009)

CLUE/ FP6- 009532- *Complex Landscape Units for Environmental assessment and modeling*. (PI) European Commission. EUR 157,387. (2006- 2008).

2005

A new method of representing landscape; segmentation of three-dimensional landscape units for environmental applications. Romanian- U.S. Fulbright Commission. Award \$16,250. (October 2005- March 2006).

2004

Landscape dynamics assessment on the basis of synthetic indicators, within the context of sustainable development. Case study: Târnava Mare Corridor. NURC (2004- 2007).

2003

PATR- Blueprint for regional planning and development of the North-Western Region of Romania. Regional authorities (2003- 2004). Personal task: Infrastructure analysis.

Complex study concerning the optimal design of the railway between Apahida and Câmpia Turzii. NURC (2003- 2006).

2002

Automated classification of landform elements using GIS and object-oriented image analysis. Österreichischer Austauschdienst- OEAD. Award EUR 8,000. (October 2002- May 2003).

Pilot Study on the use of Landscape Sciences for Environmental Assessment. A Science Framework for International Cooperation. (National Expert) NATO/CCMS Project. (2002- 2006).

1999

Landscape Dynamics in the Transylvanian Plain. NURC (1999-2003). Personal tasks: spatial assessment of rural landscapes, editor of the book in which the results are presented.

1997

Environmental studies on the City of Cluj-Napoca and its surrounding area in the perspective of sustainable development. World Bank (1997- 2001). Personal tasks: Geomorphologic mapping and assessment of the geomorphologic hazards, Landscape assessment.

PATIJ- Blueprint for regional planning and development of the inter- counties belt within the North-Western Region of Romania. Regional authorities (1997- 2000). Personal tasks: Infrastructure analysis, project preparation.

SCHOLARSHIPS AND AWARDS

1. Top Cited Author in *Geomorphology* in the last five years, Elsevier (2011).
2. Marie Curie Reintegration Grant, European Commission (2009).
3. NURC Prize for Research Outcomes, Romania (2008-2013).
4. Marie Curie Fellowship, European Commission (2006).
5. Occasional Lecturer Program Award, USA (2006).
6. Fulbright Senior Fellowship, USA (2005).
7. Ernst Mach Scholarship, Austria (2002).
8. Governmental Scholarship, Romania (1999).

INVITED LECTURES

1. *Land-surface segmentation: progress and further challenges towards objective geomorphological mapping*. Keynote lecture, IAG/AIG International Workshop on “Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier”, Salerno, Italy, October 15-19, 2012.
2. *Scale and pattern in quantification of landscape structure*. Keynote lecture, International Conference „Environment – Landscape – European Identity”, Bucharest, Romania, November 4-6, 2011.
3. *Digital Elevation Models in Landscape Ecology*. Invited lecture and hands-on sessions, GISLERS Summer School 2011 on “Bridging GIS, Landscape Ecology and Remote Sensing for Landscape Planning”, Salzburg, Austria, July 2011.
4. *Digital Elevation Models in Landscape Ecology*. Invited lecture and hands-on sessions, GISLERS Summer School 2010 on “Bridging GIS, Landscape Ecology and Remote Sensing for Landscape Planning”, Salzburg, Austria, July 2010.
5. *Is there any secret in writing a successful Marie Curie proposal?* Invited lecture, Training 4: PEOPLE: Marie-Curie-Förderungen im RP7, Salzburg, Austria, October, 2009.
6. *Digital Elevation Models in Landscape Ecology*. Invited lecture and hands-on sessions, GISLERS Summer School 2009 on “Bridging GIS, Landscape

- Ecology and Remote Sensing for Landscape Planning”, Salzburg, Austria, July 2009.
7. *3D landscape units for analysis of landscape structure*. Keynote lecture, IALE Polish Chapter Conference “Methodology of Landscape Research”, Krynica, Poland, March 2008.
 8. *Landscape assessment using GIS*. Invited lecture, the 1st Firtos Summer School, Inlăceni, Romania, August 2007.
 9. *Classification of Landform Elements Using Object-based Image Analysis*. Public lecture, University of Arkansas, USA, March 2006.
 10. *Spatial Patterns in Landscape Ecology: From 2D to 3D Approach*. Occasional Lecturer Program (OLP), University of California, Davis, USA, January 2006.
 11. *Landscape units for deriving landscape indicators*. Invited lecture, JRC-AgriEnv, Ispra, Italy, May 2005.
 12. *Automated Classification of Landform Elements using Object-based Image Analysis*. Invited lecture, UNIGIS Summer School in Digital Terrain Modeling, Salzburg, Austria, September 2004.

