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| <b>Name of teacher:</b>                | Suzana Ilic  |
| <b>Employed at:<br/>Since:</b>         | <b>Lancaster Environment Centre, Lancaster University<br/>1999</b>   |
| <b>Title:<br/>Since:<br/>In:</b>       | Dr<br>1999<br>Coastal Engineering  |
| <b>e-mail address, web page</b>        | <a href="mailto:s.ilic@lancaster.ac.uk">s.ilic@lancaster.ac.uk</a> ; <a href="http://www.lancaster.ac.uk/lec/about-us/people/suzana-ilic">http://www.lancaster.ac.uk/lec/about-us/people/suzana-ilic</a> |
| <b>Knowledge of foreign languages:</b> | English, Croatian, German  |

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| <b>Qualifications</b> | <p>- <b>date of birth, nationality:</b>08/02/1961, Croatian/British</p> <p>- <b>First degree obtained at:</b>University of Rijeka, Croatia</p> <p>- <b>Master degree obtained at:</b>Institute for Hydraulic and Environmental Engineering, Delft, the Netherlands</p> <p>- <b>Ph.D. degree obtained at:</b>University of Plymouth, UK</p> <p>- <b>additional education:</b></p> <p>2015 Lancaster University Bonington Leadership programme - certificate</p> <p>2004 Certificate in Learning &amp; Teaching in Higher Education, Lancaster University (Stage 2)</p> <p>2002 Accreditation as an Associate Teacher in Higher Education, Lancaster University</p> <p>2001 Learning and Teaching in Higher Education Programme, Stage 1 Certificate, Lancaster University</p> <p>2000 Attended the workshop on 'Designing and Delivering Courses/Modules in Geography, Earth and Environmental Sciences: A Workshop for New and Recently Appointed Teaching Staff'</p> <p>1991 PG Dipl. International Institute for Hydraulic and Environmental Engineering (IHE), Delft, The Netherlands; supported by the Dutch Nuffic scholarship</p> <p>1987 Professional Engineer Certificate Committee for Architecture and Civil Engineering of Croatia, Zagreb, Croatia</p> <p>- <b>previous employments:</b></p> <p>2015-current Senior Lecturer in Physical Geography, Lancaster Environment Centre, University of Lancaster</p> <p>1999-2015 Lecturer in Physical Geography, Lancaster Environment Centre, University of Lancaster</p> <p>1996-1999 Research Fellow, (EPSRC funded project), School of Civil and Structural Engineering, University of Plymouth</p> <p>1993-1996 Research Assistant, (EPSRC funded project), Department of Civil Engineering University of Brighton (1993); School of Civil and Structural Engineering, University of Plymouth, UK</p> <p>1992-1993 Teaching Assistant, Civil Engineering Faculty, University of Rijeka, Croatia</p> <p>1991-1992 Teaching Assistant, International Institute for Hydraulic and Environmental Engineering (IHE), Delft, The Netherlands</p> <p>1987-1990 Teaching Assistant, Faculty of Civil Engineering, University of Rijeka, Croatia</p> <p>1985-1990 Consulting Engineer, Civil Engineering Institute of Croatia, Rijeka, Croatia</p> <p><b>External Examiner Roles</b></p> <p>2012 - 2016 External examiner for undergraduate course in Ocean Science, University of Plymouth</p> <p>2009 - 2012 External examiner for two postgraduate courses: Erasmus Mundus Programme MSc Coastal and Marine Engineering and Management, and MSc Engineering in Marine Environment at School of Civil Engineering and the Environment and National Oceanographic Centre at Southampton University.</p> |
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| <b>List of papers published in scientific journals</b> | <p><b>[1] Recent and Selected Publications</b></p> <p>[2] a) Journal Papers</p> <p>[3] 1. Ruzic, I., Marovic, I, Benac, C and Ilic, S. (2014). Stability Assessment of Coastal Cliffs Using Digital Imagery. Acta Geotechnica Slovenica.,</p> <p>[4] 2. Ruzic, I., Marovic, I, Benac, C and Ilic, S. (2014). Coastal Cliff Geometry Derived from Structure-From-Motion photogrammetry at Stara Baska, Krk Island, Croatia. Geo-Marine Letters, 1-11, published online August 2014.</p> <p>[5] 3. McGovern, D., Ilic, S., Folkard A., McLelland, S. and Murphy, B. (2014). Time Development of Scour around a Cylinder in Simulated Tidal Currents. Journal of Hydraulic Research, ASCE, 140 (6), p.04014014.</p> <p>[6] 4. Tomasicchio, G.R, Sanchez-Arcilla, A., D'Alessandro, F., Ilic, S., James, M.R., Sancho, F., Fortes, C.J.E.M. and Schüttrumpf, H. (2011). Large-Scale Flume Experiment of Dune Erosion Processes. Journal of Hydraulic Research, SI-Hydralab III (CMH)-IAHR, 49 (S1), 20-30.</p> <p>[7] 5. Podobnik, B., Grosse, I., Horvatic, D., Ilic, S., Ivanov, P.C., and Stanley, H.E. (2009). Quantifying</p> |
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|  | <p>Cross-Correlations Using Local and Global Detrending Approaches. <i>European Physical Journal B</i>, 71 (2), 243-250.</p> <p>[8] 6. Juracic, M., Benac, C., Pikelj, K and Ilic, S. (2009). The Vulnerability of Limestone (Karst) Coast Compared to Siliciclastic One (Example from the Kvarner Area, NE Adriatic, Croatia). <i>Geomorphology</i>, 107, (1-2), 90-99.</p> <p>[9] 7. Yamada, F., Tsujimoto, G., Sayaka, K., Ikeda, Y., Hokamura, T. and Ilic, S. (2009). Time-Space Variations of Sediment Density and Porosity Profiles due to Beach Deformations using X-ray CT. <i>Annual Journal of Coastal Engineering</i>, (in Japanese), B2-65 (1), 681-685.</p> <p>[10] 8. Gunawardena, Y., Ilic, S., Pinkerton, H. and Romanowicz, R. (2009). Nonlinear Transfer Function Modelling of Beach Morphology at Duck, North Carolina. <i>Coastal Engineering</i>, 54(1), 46-58.</p> <p>[11] 9. Gunawardena, Y., Ilic, S., Southgate, H. and Pinkerton, H. (2008). Analysis of the Spatio-Temporal Behaviour of Beach Morphology at Duck Using Fractal Methods. <i>Marine Geology</i>, 252, 38-49.</p> <p>[12] 10. Ilic, S., van der Westhuisen, A.J., Roelvink, J.A. and Chadwick, A.J. (2007). Multidirectional Wave Transformation around Detached Breakwaters. <i>Coastal Engineering</i>, 54(10), 775-789.</p> <p>[13] 11. Erduran, K., Ilic, S., Kutija, V. 2005, Hybrid Finite-Volume Finite-Difference Scheme for the Solution of Boussinesq Equations, <i>International Journal Numerical Methods in Fluids</i>, 49, pp 1213-1232.</p> <p>[14]</p> <p>[15] c) Papers in conference proceedings (each with matching presentation):</p> <p>[16] 12. Ilic, S., Luxmoore, J. and Mori, N. (2015) Spectral Evolution and Freak Wave Occurrence in Bimodal Seas: Laboratory and Numerical Experiments, <i>Proceeding SCACR conference</i> (in press).</p> <p>[17] 13. Miles, A., Ilic, S., James, M.R. and Whyatt, D. (2013). Morphological Evolution around a Groyne Structure at Cleveleys Beach, Northwest England, During a Range of Wave Conditions. <i>Proceedings Coastal Dynamics 2013, SHOM</i>, 1195-1206.</p> <p>[18] 14. James, M.R., Ilic, S., and Ruzic, I. (2013). Measuring 3D Coastal Change with a Digital Camera. <i>Proceedings Coastal Dynamics 2013, SHOM</i>, 893-904.</p> <p>[19] 15. Luxmoore, J. F., Ilic, S., Folkard, A. M., McLelland, S. J., Murphy, B. (2013). Steep Wave Impact on a Jacket Type Wind Turbine Substructure. <i>Proceedings, 23rd International Offshore and Polar Engineering Conference, Anchorage, ISOPE 2013</i>, 1, 211-215.</p> <p>[20] 16. McGovern, D., Ilic, S., Folkard, A., McLelland, S., and Murphy, B. (2012). Evolution of Local Scour around a Collared Monopile through Tidal Cycles. <i>Coastal Engineering Proceedings</i>, 1(33), CERC, sediment.113.</p> <p>[21] 17. Miles, A., Ilic, S., James, M.R. and Whyatt, D. (2012). Morphological Variability of Cleveleys Beach, UK at Multiannual Timescales Based on Airborne LIDAR Data. <i>Proceedings of the GIS Research UK 20th Annual Conference, Lancaster University</i>, 1, 263-268.</p> <p>[22] 18. Tomasicchio, G.R, D'Alessandro, F., Fortes, C.J.E.M., Ilic, S., James, M.R., Sanchez-Arcilla, A., Sancho, and Schüttrumpf, H. (2011). Dune Erosion and Overwash in Large-Scale Flume Experiments. <i>Proceedings of the Coastal Sediments '11, World Scientific</i>, 796-809.</p> <p>[23] 19. Gao, F., McGovern, D., Mingham, C.G. and Ilic, S. (2010). Numerical and Experimental Investigation of Turbulent Flow around a Vertical Circular Cylinder. <i>Proceedings the 20th International Offshore (Ocean) and Polar Engineering Conference, Beijing, ISOPE 2010</i>, 639-643.</p> <p>[24] 20. Bannon, P.G., Marshall, I.W., James, M. and Ilic, S. (2010). The Assimilation of Historic Photography and Cartography into Longterm Coastal Geomorphological Analysis. <i>International Society for Environmental Information Sciences 2010 Annual Conference, International Conference on Ecological Informatics and Ecosystem Conservation (ISEIS 2010), Procedia Environmental Sciences</i>, 2,527-534.</p> <p>[25] 21. McGovern, D., Ilic, S., Folkard, A., McLelland, S. and Murphy, B. (2009). Turbulence and Shear Stress around Offshore Wind Turbine Pile in Tidal Currents Using Particle Image Velocimetry. <i>Proceedings Coastal Dynamics conference, World Scientific</i>, paper 141 (1-13).</p> <p>[26] 22. Green, C. and Ilic, S. (2009). The Application of Argus Video Monitoring for Assessing the Impact of Coastal Structures on Beaches, <i>DEFRA/EA Flood and Coastal Risk Management Conference</i>.</p> <p>23. Ilic, S., Gunawardena, Y., Romanowicz, R. and Pinkerton, H. (2009). Prediction of Beach Volumes at Duck Using Transfer Function Models. <i>Proceedings 8th Hydroinformatics Conference, Chile. IAHR</i>, 1, 477-487.</p> |
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| <b>List of publications which serve as a proof of teaching qualifications</b> | <p><i>Fellow of the Higher Academy of Education UK</i></p> <p>1 Karleusa, B., Deluka-Tibljias, A., Ilic, S., and Dragicevic, N. (2010). Developing Awareness about Sustainable Development in Civil Engineering Studies. <i>Proceedings International conference Engineering Education 2010: Inspiring the next generation of engineers; The Higher Education Academy: Engineering Subject Centre</i></p> <p>2 Ilic, S., Karleusa, B., and Deluka-Tibljias, A. (2010). Increasing Awareness of Sustainable Water</p> |
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|  | <p>Management for Future Civil Engineers. Poster presentation at EGU General Assembly 2010.</p> <p>3 Karleusa, B., Deluka-Tibljias, A., Ozanic, N. and Ilic, S. (2009). The Role of Higher Education in Developing Awareness about Water Management. Proceedings 11th International Symposium on Water Management and Hydraulic Engineering, Ohrid, Macedonia.</p> <p>See also educational qualifications above</p> |
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| <p><b>Leader of the following research projects</b></p> | <p>2016-2017 IAA: Efficiency and environmental effects the River Power Pod (RPP); (with Fern Innovation) EPSRC; (£49,875); PI.</p> <p>2014-2015 RAGBICOM: Resilience of Artificial Gravel Beach and Implications for Coastal Management; EU Marie Curie action &amp; the Ministry of Science, Education and Sport, Croatia; (£42,934); PI.</p> <p>2014 IAA: Improving the performance of DeltaStream turbines by understanding effects of spatial and temporal variation in flow on loading and output power; (with Tidal Energy Ltd.) EPSRC; (£7,290); PI.</p> <p>2014 Cantexx – TSB Voucher (£5000), PI</p> <p>2013 IAA: Investigation of tidal turbines on downstream flow (with Cantexx); EPSRC; (£4,950); PI.</p> <p>2012-2015 Centre for Global Eco-Innovation (GCE) – PhD studentship with Green Tide Ltd.; (PhD studentship and fees + £6k), PI.</p> <p>2010-2014 Supergen Wind Energy Technologies Consortium, phase 2: Experimental study of the interactions between wind turbine support structures and impacting waves and flows; EPSRC, (£134,052); Lancaster University's PI. <a href="http://www.supergen-wind.org.uk/index.html">http://www.supergen-wind.org.uk/index.html</a>.</p> <p>2009-2013 A study of shoreface nourishment using ARGUS video images; funded by the consortium of Wyre Borough Council, the Environment Agency North West and Stena Line); (£90, 000); PI.</p> <p>2006-2010 Supergen Wind Energy Technologies Consortium; phase 1: Experimental study of scour around offshore wind farms; EPSRC; (£122,548); Lancaster University's PI; <a href="http://www.supergen-wind.org.uk/index.html">http://www.supergen-wind.org.uk/index.html</a>.</p> <p>2006-2009 Investigation of the impact of a seawall on the shoreline using Argus video images; funded by the Wyre Borough Council; (£70,303); PI.</p> <p>2002-2003 Finite-Volumes Numerical Models for Prediction of Nearshore Currents; EPSRC – first grant; (£62,026); PI.</p> <p>EU Hydralab IV – Experimental investigation of nonlinear interactions, wave turbulence and rogue waves (2012); DAIWA foundation – 'Coastal management in Japan and UK' (2008).</p> |
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| <b>Participant in the following research projects</b> | 2017 – Forecasting river levels utilising non |
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|  | stationarity; EPSRC; (£21,969); CI<br>EU Hydralab III – 1) Flow interaction with patchy<br>dynamic vegetation (2008) and 2) Dune Overwash<br>and Breaching (2009); |
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| <b>Supervision of MSc theses</b> | More than 15 |
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| <b>Supervision of PhD theses</b> | 8 |
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| <b>Examination of MSc theses</b> | N/A |
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| <b>Examination of PhD theses</b> | 12 |
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