

**Centre for Disaster Resilience**

**School of the Built Environment**

**1. Centre members**

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| **Name** | **Expertise** | **List of publications that most clearly illustrates the identity** |
| Professor Dilanthi Amaratunga  <http://www.dilanthiamaratunga.net> | Research interests include post disaster reconstruction including conflict mitigation, gender and projection; Capability and Capacity building in managing disasters; Socio-economic measures for conflict-affected re-construction and women in construction | * Malalgoda, C., Amaratunga, D. & Haigh, R. (2013). Creating a disaster resilient built environment in urban cities: the role of local governments in Sri Lanka. International Journal of Disaster Resilience in the Built Environment. Vol 4 (1). pp. 72-94. * Amaratunga, D., Palliyaguru, R. & Haigh, R. (2013). Developing an approach to assess the influence of integrating disaster risk reduction practices into infrastructure reconstruction on socio-economic development. Disaster Prevention and Management. Vol. 22 (2). * Palliyaguru, R., Amaratunga, D. & Haigh, R. (2012) 'Impact of integrating disaster risk reduction philosophies into infrastructure reconstruction projects in Sri Lanka'. Journal of Civil Engineering and Management, Vol. 18 (5). pp. 685-700. * Karunasena, G., Amaratunga, D.  &  Haigh, R.  (2012) 'Post disaster construction & demolision debris management: A Sri Lanka Case Study'. Journal of Civil Engineering and Management, Vol. 18 (4). pp. 457-468. * Tobi, S., Amaratunga, D. & Noor, N. (2013), 'Social enterprise applications in an urban facilities management setting'. Facilities. Vol. 31 (5/6). |
| Professor Richard Haigh  <http://www.richardhaigh.info> | Research interests include the conceptual understanding of resilience, the reintegration and rehabilitation of conflict-affected communities, and engagement of the private sector in the development of societal resilience | * Haigh, R. & Sutton, R. (2012). Strategies for the effective engagement of multi-national construction enterprises in post-disaster building and infrastructure projects. International Journal of Disaster Resilience in the Built Environment. 3 (3). pp. 270-282. * Amaratunga, D. & Haigh, R. (2011). *Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience*. First edit. Chichester: Wiley-Blackwell. * Haigh, R. & Amaratunga, D. (2011). Introduction: Resilience in the built environment. In: D. Amaratunga & R. Haigh (eds.). *Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience*. Chichester: Wiley-Blackwell, pp. 1-12. * Siriwardena, N. & Haigh, R. (2011). Stakeholder consultation in the reconstruction process. In: D. Amaratunga & R. Haigh (eds.). *Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience*. Chichester: Wiley-Blackwell, pp. 117-132. * Haigh, R. & Amaratunga, D. (2010). An integrative review of the built environment discipline’s role in the development of society's resilience to disasters. *International Journal of Disaster Resilience in the Built Environment*. 1 (1). pp. 11-24. * Haigh, R., Amaratunga, D., Keraminiyage, K. & Pathirage, C. (2008). Infrastructure lifecycles and disaster mitigation. In: H. Smyth & S. Pryke (eds.). *Collaborative Relationships in Construction: Developing Frameworks and Networks*. Wiley-Blackwell. |
| Dr Bingu Ingirige  <http://www.seek.salford.ac.uk/profiles/BINGIRIGE.jsp> | His main research interests are in the area of flood adaptation and community resilience against extreme weather | * Wedawatta, G & Ingirige, B & Proverbs, D 2013, 'SMEs and flood impacts: The case of the 2009 flood event in Cockermouth', Journal of Flood Risk Management [available in early cite via journal website] VISIT <Http://onlinelibrary.wiley.com/doi/10.1111/jfr3.12031/abstract> * Wedawatta, G & Ingirige, B 2012, 'Resilience and adaptation of Small and Medium-sized Enterprises to flood risk', Disaster Prevention and Management: An International Journal, 21(4), pp.474-488 * Ingirige, B & Wedawatta, G 2011 'Impacts of flood hazards on small and medium companies: Strategies for property level protection and business continuity', in: Proverbs, D & Lammond, J & Hammond, F & Booth, C (eds.), Flood Hazards, Impacts and Responses for the Built Environment, Routeledge (Taylor and Francis Group), London, United Kingdom * Wedawatta, G & Ingirige, B & Jones, K & Proverbs, D 2011, 'Extreme Weather Events and construction SMEs: Vulnerability, impacts and responses', Structural Survey, 29(2), pp.106-119. * Ingirige, B & Haigh, R & Chamindi, M & Roshani, P 2008, 'Exploring good practice knowledge transfer related to post tsunami housing (re-)construction in Sri Lanka,', Journal of Construction in Developing Countries, 13(2), pp.21-42 |
| Dr Chaminda Pathirage  <http://www.seek.salford.ac.uk/profiles/C.P.PATHIRAGE.jsp> | Disaster Management, Knowledge Management, Human Resource Management and Quantity Surveying | * Pathirage, C., Seneviratne, K., Amaratunga, D. & Haigh, R. (2012), 'Managing disaster knowledge: identification of knowledge factors and challenges', International Journal of Disaster Resilience in the Built Environment. Vol. 3 (3).  pp. 237-252. * Ophiyandri, T & Amaratunga, D & Pathirage, C & Keraminiyage, K (2013), 'Critical success factors for community-based post-disaster housing reconstruction projects in the pre-construction stage in Indonesia', International Journal of Disaster Resilience in the Built Environment , 4(2) * Pathirage, C. (2011), Knowledge management practices and systems integration, in Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience, Amaratunga D and Haigh R, Blackwell, UK * Seneviratne, K & Baldry, D & Pathirage, C (2010), 'Disaster Knowledge Factors in Managing Disasters Successfully', International Journal of Strategic Property Management, 14(4), pp.374-388. |
| Dr Udayangani Kulatunga  <http://www.seek.salford.ac.uk/profiles/U.KULATUNGA.jsp> | Community based disaster risk reduction  Culture and disaster management  Performance measurement and management | * Kulatunga U, Wedawatta G, Amaratunga D and Md. Shamsuzzoha, 2013, Disaster Risk and Community Vulnerability: the Case of Patuakhali, Bangladesh, IIIRR conference, Australia * Kulatunga U and Wedawatta G 2012, Evaluation of Community Risk Assessment method for development of disaster risk reduction strategies, Breaking the Mould International conference, August, Durham, UK * Kulatunga U Wedawatta G, Parvez A, Biswas R and Amaratunga, D, 2012, Disaster risk reduction measures in Bangladesh, *CIOB World Construction Conference*, June, Sri Lanka * Kulatunga U, 2011, Influence of culture towards disaster risk: the case of Barguna, Bangladesh, International conference in Building Resilience, July, Sri Lanka * Kulatunga, U, Zaman, A.K.M., Biswas, A.K.M., Parvez, A, and Amaratunga D, 2010, Community Risk Assessment for Disaster Risk Reduction: Challenges and Future, *International Research Conference of the Royal Institution of Chartered Surveyors (RICS COBRA 2010)* * Kulatunga, U. 2011, Project management of post disaster reconstruction, In Amaratunga D and Haigh, R. (Eds), Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience, Blackwell’s publisher, London |
| Dr Kaushal Keraminiyage  <http://www.seek.salford.ac.uk/profiles/K.P.KERAMINIYAGE.jsp> | * Collaborative environments for construction education and research, * Use of ICT for improved disaster resilience * Virtual Learning and Research Environments for the Built Environment | * [Keraminiyage, K & Piyatadsananon, P 2013, 'Achieving success in post-disaster resettlement programmes through better coordination between spatial and socio-economic/cultural factors', *International Journal for the Disaster Resilience in the Built Environment*, 4((in print)).](http://www.seek.salford.ac.uk/user/profile/publications/view.do?publicationNum=38891)013 * [Ophiyandri, T & Amaratunga, D & Pathirage, C & Keraminiyage, K 2013, 'Critical success factors for community-based post-disaster housing reconstruction projects in the pre-construction stage in Indonesia', *International Journal of Disaster Resilience in the Built Environment*, 4(2).](http://www.seek.salford.ac.uk/user/profile/publications/view.do?publicationNum=38209)3 * [Keraminiyage, K 2013, 'In-module work practice strategy for vocationally oriented construction degree programmes: the case of multidisciplinary projects', *International Journal of Strategic Property Management*,17(2), pp.131-141.](http://www.seek.salford.ac.uk/user/profile/publications/view.do?publicationNum=37273)013 * [Siriwardena, M & Malalgoda, C & Thayaparan, M & Amaratunga, D & Keraminiyage, K 2013, 'Disaster resilient built environment: role of lifelong learning and the implications for higher education', *International Journal of Strategic Property Management (in press)*.](http://www.seek.salford.ac.uk/user/profile/publications/view.do?publicationNum=37081)9 * [Keraminiyage, K & Amaratunga, D & Haigh, R 2009, 'Achieving success in collaborative research: the role of virtual research environments', *ITcon*, 14(special issue), pp.59-69.](http://www.seek.salford.ac.uk/user/profile/publications/view.do?publicationNum=21259)9 * [Keraminiyage, K & Amaratunga, D & Haigh, R 2009, 'A HCI principles based framework to assess the user perception of web based Virtual Research Environments', *International Journal of Strategic Property Management*, 13(2), pp.129-142.](http://www.seek.salford.ac.uk/user/profile/publications/view.do?publicationNum=21261) |
| Dr Menaha Thayaparan  <http://www.seek.salford.ac.uk/profiles/MTHAYAPARAN.jsp> | Disaster resilience – community engagement, stakeholder partnerships, sustainable development  Industry, community and university collaborations  Construction labour market needs – within the built environment context  Lifelong learning for Built environment professionals – skills development in disaster management and quantity surveying context  Higher Educational Institutions - structure and reform  Gender studies and leadership | * Siriwardena,M., Malalgoda, C., Thayaparan,M., Amaratunga, D. and Keraminiyage, K., (2013), Disaster resilient built environment: role of lifelong learning and the implications for higher education, International journal of Strategic Property Management, Vol 17 (2), pp.174-187 * Witt,E., Lill, I., Malalgoda, C., Siriwardena, M., Thayaparan, M. and Amaratunga, D. (2013), Towards a framework for closer university industry collaboration in educating built environment professionals, International journal of Strategic Property Management, Vol 17 (2), pp.114-132 * Amaratunga, RDG, Siriwardena, ML, Malalgoda, CI, Pathirage, CP and Thayaparan, M 2011, [Lifelong learning needs for disaster management education in the built environment](http://usir.salford.ac.uk/16883/) , in: International conference on building resilience, July 2011, Kandalama, Sri Lanka. * Thayaparan, M, Siriwardena, ML, Amaratunga, RDG, Malalgoda, CI and Keraminiyage, KP 2011, [Lifelong learning and the changing role of quantity surveying profession](http://usir.salford.ac.uk/16882/) , in: PAQS 2011, July 2011, Colombo, Sri Lanka. * Thayaparan, M., Siriwardena, M., Malalgoda, C., Amaratunga, D., Kaklauskas, A. & Lill, I. (2010). Reforming HEI to improve skills and knowledge on disaster resilience among construction professionals. In the proceedings of the Royal Institution of Chartered Surveyors (RICS) Construction, Building and Real Estate International Research Conference (COBRA), Université Paris-Dauphine in Paris, France, 2-3 September 2010. |
| Kanchana Ginige | Addressing social vulnerabilities through disaster risk reduction in the built environment  Gender mainstreaming in disaster management and sustainable development  Skill development in the construction industry | * Ginige K., Amaratunga D. and Haigh R., 2013. Disaster Risk Reduction in the Built Environment in Sri Lanka- An overview, International Conference on Building Resilience, 17th-19th September 2013, Ahungalla, Sri Lanka. * Ginige K., Amaratunga D. and Haigh R., 2011. Capturing and integrating women’s disaster risk reduction knowledge, experiences and needs with reducing disaster vulnerabilities in the built environment, International Conference on Building Resilience, 19th- 21st July 2011, Kandalama, Sri Lanka. * Ginige K., Amaratunga D. and Haigh R., 2010. Mainstreaming Women’s Needs with Disaster Risk Reduction in the Built Environment - Preliminary Findings, COBRA 2010, 02nd – 03rd September 2010, Paris, France. * Ginige K., Amaratunga D. and Haigh R., 2010. Developing Capacities for Disaster Risk Reduction in the Built Environment: Capacity analysis in Sri Lanka. *International Journal of Strategic Property Management*, Vol 14(4), pp. 287-303. * Ginige K., Amaratunga D. and Haigh R., 2009. Gender Mainstreaming in Disaster Reduction: Why and How? *Disaster Prevention and Management*. Vol 18 (1), pp. 23-34. |

**2. Other publication details**

**a). Major publication**

International Journal of Disaster Resilience in the Built Environment ([www.emeraldinsight.com/ijdrbe.htm](http://www.emeraldinsight.com/ijdrbe.htm) ) is edited by members of the CDR. This is the **only journal** in the field to promote research and scholarly activity that examines the role of building and construction to anticipate and respond to disasters that damage or destroy the built environment. The journal is indexed in SCOPUS and articles of the latest issue along with the editorial is available via: <http://www.emeraldinsight.com/journals.htm?issn=1759-5908>

**b). Other publications – international conference proceedings**

* **International Conference on Building Resilience:  *Individual, institutional and societal coping strategies to address the challenges associated with disaster risk*** (<http://www.buildresilience.org/2013/> )
* BUILDING RESILIENCE 2011: Interdisciplinary approaches to disaster risk reduction, and the development of sustainable communities and cities, ISBN 978‐1‐907842‐08‐5, (c) University of Salford 2011 ([www.buildresilience.org](http://www.buildresilience.org) )
* BUILDING RESILIENCE 2008, CIB W89 International Conference on Building Education and Research, in conjunction with CIB, W113, CIB TG53, CIB TG63, CIB TG67, CIB TG68, and CIB TG69, Book of Executive Summaries, ISBN 978-1-905732-39-5, School of the Built Environment, University of Salford, UK - 2008. (<http://www.disaster-resilience.net/bear2008> )

**3. The six (6) most notable events/seminars/conferences/workshops in 2012 and 2013 the centre has organised/ or involved in organising around the themes/subject areas of the Centre**

1. **2013 International Conference on Building Resilience**, to be held at Heritance Ahungalla in September 2013 ([www.buildresilience.org/2013](http://www.buildresilience.org/2013) <[**http://www.buildresilience.org/2013>**](http://www.buildresilience.org/2013%3E)**).**
2. **Inclusive** development seminar, organised by Centre for Disaster Resilience, University of Salford and Chamber of Construction Industry Sri Lanka, in Batticaloa Sri Lanka, March 2012.
3. **Launch of the *Making Cities Resilien*t: *My City is Getting Ready* .** The Ministry of Disaster Management and the Disaster Management Centre lead the national launch of this UN Campaign in partnership with Ministry of Local Government, Centre for Disaster Resilience, The University of Salford UK, Practical Action, UNDP Sri Lanka and UNISDR. The International Conference on Building Resilience organized by the Centre for Disaster resilience, The University of Salford, UK and RMIT University, Melbourne, Australia ([www.buildresilience.org](http://www.buildresilience.org) ) hosted the Making Cities Resilient Campaign 2010-2015 national launch in Sri Lanka.
4. **Disaster Risk reduction seminar** for the development of an action plan for improving the disaster resilience capacity of Mannar and Eravur Urban councils and Batticaloa Municipal council, organised by Ministry of Disaster Management Sri Lanka and Centre for Disaster Resilience, University of Salford, in Batticaloa Sri Lanka, March 2012.
5. Partner, **International Open Science Conference**: Global Environmental Change  Innovations and Challenges, Chennai, INDIA, organised by University of Madras, India, 21-24 February 2012
6. Key Partner, **6th International Conference on the Built Environment in Developing Countrie**s – Fragmented futures: the built environment in a volatile world, School of Natural and Built Environments, University of South Australia, Adelaide, Australia, 4 – 5 December 2012.
7. Partner, **International Conference on Disaster Management**, The 8th Annual International Conference of the International Institute for Infrastructure, Renewal and Reconstruction (IIIRR), Department of Civil and Environmental Engineering, Kumamoto University, Kumamoto, Japan, August 2012

**4. The six (6) most notable events/seminars/conferences the centre members have attended in 2012 and 2013 around the themes/subject areas of the Centre**

1. “Making cities resilient”, UNESCO/IOC Workshop on Coastal Hazards, Mount Lavinia, Sri Lanka, 20th March 2013.
2. “Disasters demand a multi-hazard approach”, Policy Forum 'Research needs for disaster resilience and development', RMIT University, Australia, 28th November 2012
3. Role and impact of DRR Networks for Local Capacity Development, invited speech at the 1st Stock-Taking Workshop, Resilient Cities Capacity Development (RCCD) Programme, September 19-21, 2012 in Incheon, Republic of Korea. Organised by the UNISDR (United Nations Strategy for Disaster Reduction)
4. Session on Rebuilding for Resilience:  Post-Disaster Reconstruction of the Built Environment, Breaking the Mould Conference, Durham University Humanitarian Aid and Empowering Local Communities, 1st - 3rd August, 2012, Durham University, Calman Learning Centre, Durham.
5. Key note speech titled “Post-Disaster Reconstruction of the Built Environment: Rebuilding for Resilience”, International Conference on Global Environmental Change – Challenges & Innovations, Chennai, India , February 2012, organised by University of Madras, India
6. Dr. Bingu Ingirige from the Centre for Disaster Resilience at Salford University addressed the ESRC sponsored seminar titled “Governance of Resilience” at University of Sheffield in September 2012.
7. recently addressed the European Forum for Urban Security (EFUS) conference held in Paris, France on the 13th and 14th of December 2012. He addressed the Urban Risk Management session organised in conjunction with the United Nations office of Disaster Risk Reduction (UNISDR).
8. On the 11th of May 2011, Dr. Bingunath Ingirige and Professor Terrence Fernando of the School of the Built Environment hosted the Salford Strategic Flood forum at the Think Lab. Salford Strategic Flood Forum was established as the best way to implement recommendations arising from the Pitt Review into the 2007 floods in the UK. It also plays an important co-ordinating role in preparing the Salford City Council to deal with new responsibilities emerging from the Flood and Water Management Act of 2010
9. Breaking the Mould International conference, 2012, Durham
10. First Academic Conference on Teaching and Research in Disaster Risk Reduction and Resilience, organised by the University College, London ­ June 2013
11. Committee of Building the bridges between universities and communities: A Regional Policy Dialogue - conference organised by the University Grants Commission, Bangladesh (UGC) for the Bangladesh Vice Chancellors and coordinated by the British Council. December 2012.
12. Speech and presentation on “Multi University Consortium for Building Resilience” National Disaster Management Coordination Committee Meeting. Disaster Management Centre, 27th July 2011, Colombo, Sri Lanka

**5. Key statements/sentences to capture most important Impact of Centre Research**

1. The Centre is instrumental in developing a world in which governments, authorities, businesses, communities and individuals work together to create a society which is able to withstand the effects of unforeseen events and threats.
2. The Centre¹s research has shaped a global United Nations campaign, contributed exponentially to the development of resources to enhance professional practice in the humanitarian sector, including post-disaster reconstruction programmes in Sri Lanka, and led the development of new partnerships in Europe and Southern Asia.
3. The Centre's research on the integration of disaster risk reduction into post disaster reconstruction has shaped and influenced policy made by government and quasi-government bodies by contributing to the United Nations International Strategy for Disaster Reduction (UNISDR) Making Cities Resilient: 'My City is getting ready!' campaign, launched in May 2010, which addresses issues of local governance and urban risk.
4. The Centre's research has resulted in better-informed and more socially inclusive public policy-making and implementation in the development of a disaster resilient built environment. We have worked with the Sri Lankan Government and its universities following the devastating civil war to develop, refine and implement policies for reconstruction, which promote socially-inclusive development and support cultural diversity.

**6. National and International Organisations/bodies (including Research and Professional Organisations) that work/operate around the general  theme/subject area of the Centre that the members are CURRENTLY AFFILIATED or ACTIVELY ENGAGED**

1. United Nations International Strategy for Disaster Reduction (UNISDR)
2. United Nations Education, Scientific and Cultural Organisation (UNESCO)
3. Ministry of Disaster Management Sri Lanka
4. UNHABITAT
5. Foreign and the Commonwealth office
6. United Nations Development Programme (UNDP)
7. Asicna Disaster Preparedness centre (ADPC), Bangkok, Thailand
8. RICS Flood Working Group
9. Salford Flood Forum
10. ARUP R&D (an international organization) – working with the group on 3D city modeling for disaster management
11. Department of Business, innovation and Skills