


## GADRI Membership Application Form

Institute Logo in jpg format  	
Name of Institute:	Humanitarian Engineering Lab, RMIT University
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Institute webpage URL: <a href="#">Humanitarian Engineering Lab (page currently under construction)</a>	
<b>Institute Outline:</b> <p>RMIT University (officially the Royal Melbourne Institute of Technology), is a public research university in Melbourne, Australia. It is a global university with campuses in Australia, Vietnam and Spain. It offers a number of programs through partners in Singapore, Hong Kong, mainland China, Indonesia, Sri Lanka, India, Belgium, Germany, Austria and the Netherlands. It collaborates with communities and universities in the Asia-Pacific and other regions through the Humanitarian Engineering Lab.</p>	
<b>Research Interests (areas of research disciplines, number of faculty members, etc.):</b>  <p>Humanitarian engineering, emergency and disaster management, sustainable development, engineering education, environmental and chemical engineering, community engagement, gamification in learning, appropriate technology</p> <p>The Humanitarian Engineering Lab is a network of academics and students at RMIT University who use engineering skills and knowledge to create scalable solutions to humanitarian challenges. Current team includes Dr Spyros Schismenos (Lab</p>	

Coordinator), Dr Nick Brown (Co-founder), PhD Candidates, graduate and undergraduate students and staff from multiple RMIT departments.

**A brief description of Research Achievements and Challenges:**

Members of the Humanitarian Engineering Lab have received funding and awards for their projects, and published their works in peer reviewed journals

Current focus is on (i) active, authentic and applied learning techniques in education; (ii) gamification in learning/disaster education; (iii) water and sanitation hygiene; (iv) renewable energy; (v) disaster management; and (vi) sustainable development at the community level

**Comparative advantage/contribution to GADRI Activities:**

The Humanitarian Engineering Lab works closely with communities and local governments in the Asia-Pacific, and can contribute to GADRI activities with published data and 'know-how'. RMIT students and staff can share their work in GADRI events and reports. We also collaborate with UN-related branches and other organizations and could share opportunities with GADRI members. Our most recent collaborators include the UNESCO Organization for Women in Science for the Developing World (OWSD), and the UNESCO Chair on Conservation & Ecotourism of Riparian and Deltaic Ecosystems.

**Expected Outputs/Results:**

- Collaboration between RMIT and GADRI members including Kyoto University in joined projects, grant proposals, articles, student and staff exchange
- Get informed regarding progress in disaster management and sustainable development
- Opportunities to showcase DRR and sustainability research outcomes and findings in GADRI events.