Call for Nominations for 2014 Awards

In recognition of important contributions to simulation in Australia and New Zealand.

Entries must be received on or before 1800 Central Standard time on Friday 18 July 2014
Ray Page Lifetime Simulation Achievement Award

The Ray Page Lifetime Simulation Achievement Award is presented in recognition of an outstanding contribution, made over an extended period of time, to the advancement of modelling and simulation in Australia or New Zealand.

The award is named after the inaugural winner, Mr Ray Page, who spent his career advancing the use of flight simulators and leading the development of international standards whilst at Qantas, and then as the founding Chairman of the then Simulation Industry Association of Australia.

This is a prestigious award, and is only presented if a candidate meeting the criteria is nominated.

Previous Recipients

2011 Ray Page Award Recipient
- Alan Johnson

Alan’s foray with simulation began as an Instrument Fitter with the Royal Australian Air Force in 1987, and then as a Technical Officer with Qantas and BAE Systems. Moving to CAE in 1998 as Business Unit Manager, Alan became Managing Director in 2001. Over an almost 10 year period, Alan grew the company significantly, resulting in a highly capable local simulation organisation. During this time he and CAE greatly supported Simulation Australia. Alan was Chairman of the SIA for five years (and two years prior to that as Deputy Chair), and provided great vision, leadership and drive for the transformation to Simulation Australia.

2012 Ray Page Award Recipient
- Professor Tony Jakeman

Professor Jakeman has made significant, sustained contributions to simulation in environmental science, management and technology. He has displayed outstanding vision and leadership in hydrology and the interdisciplinary field of integrated assessment and decision support where he is recognised as a world leader in the quantitative treatment of complex water resource issues. As Editor-in-Chief of Environmental Modelling and Software and with significant roles for three simulation-related societies he has contributed resolutely to the professional base of simulation

2013 Ray Page Award Recipient - Professor John R. Sturgul

Professor John R Sturgul's association with the Australian mining industry and Australian simulation education began over 42 years ago when he was awarded a Fulbright Fellowship (Senior Scholar). John was appointed Professor of Mining Engineering at the SA Institute of Technology, Adelaide, in 1982 and remained there for 10 years. During this period he began to simulate mining operations in Australia and began incorporating this work into his lectures on Mine Design. John was the one of first (if not the first) person in Australia to do such simulations and published extensively. During this time he presented numerous conference papers and short courses on the subject of mine simulation and began his consulting practice. John was appointed Professor of Mining Engineering at the University of Adelaide in 2008 where he currently teaches Mine Simulation and Animation to a class of around 50 students.
<table>
<thead>
<tr>
<th>TITLE</th>
<th>RAY PAGE LIFETIME SIMULATION ACHIEVEMENT AWARD</th>
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<tbody>
<tr>
<td>DESCRIPTION</td>
<td>Awarded for an outstanding contribution, made over an extended period of time, to the advancement of modelling and simulation in Australia or New Zealand. The contribution will have been made in the domain of science, technology, policy, standards, education or management &amp; leadership, or a combination thereof.</td>
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<td>CRITERIA</td>
<td>The award is granted to an individual whose work has, in the opinion of senior members of the modelling and simulation community, made an outstanding contribution to simulation in the region. The individual will have demonstrated achievement, vision, integrity and leadership in one or more of the following areas:</td>
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<td>• <strong>Science:</strong> generating published peer-reviewed scientific research, including human factors research, related to simulation, that has broadened the use of simulation, or enhanced the effectiveness of simulation in Australia.</td>
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<td>• <strong>Management &amp; Leadership:</strong> Creation or growing of organisation(s) that have enhanced Australia’s simulation capability, creating new directions and opening new fields for the use of simulation. This includes work that has promoted and grown the simulation community as a whole. In addition to the above, the contribution must have clearly lead to benefits to the broader community.</td>
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<td>NATIONALITY</td>
<td>The award will generally be granted to individuals who are citizens or permanent residents of Australia or New Zealand. The award may be granted to citizens of other countries if the contribution made has clearly and unambiguously benefitted the use of Simulation within Australia and/or New Zealand.</td>
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<td>PERIOD OF ACTIVITY</td>
<td>Over 20 years simulation-related work, in or directly relevant, to Australia or New Zealand.</td>
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<tr>
<td>LENGTH OF APPLICATION</td>
<td>Minimum 300 words (500 maximum)</td>
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<tr>
<td>LENGTH OF CITATION</td>
<td>75 words (this will be read aloud at the Simulation Australia Awards Dinner, published on the Simulation Australia web site, and used in press releases etc)</td>
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<td>ELIGIBILITY</td>
<td>Individual Applicants Only. Simulation Australia membership is not required. This award will not be granted to teams. Refer to the Project/Innovation award for recognition of teams.</td>
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<td>APPLICATION DEADLINE</td>
<td>Completed nominations must be received at the Simulation Australia office prior to 1800 Central Standard time on 18 July 2014. The judges reserve the right to request additional information to assist in making their decision.</td>
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**CLICK HERE** to download the nomination form in a word file

Nominations should be forwarded to the Simulation Australia office on alisha@simulationaustralia.org.au
Simulation Achievement Award

The Simulation Achievement Award is for significant contribution to the advancement of modelling and simulation in Australia or New Zealand.

2011 Achievement Award Recipient
- Dr Geoff McDonnell

Dr McDonnell’s contributions to health simulation are multiple and significant. Throughout his extensive career he has made many significant contributions to the development, adoption and exploitation of computational simulation methods in healthcare, both in Australia, and internationally. His development of innovative computational models in health which have had a substantial impact on national health policy; his passion for educating others in the value and methods of simulation; his significant contributions to the development of the field at a professional level, and not least, his important scientific contributions to the discipline.

2011 Achievement Award Recipient
- Associate Professor Richard Riley

Richard has edited a substantial handbook on the use of simulation in various healthcare settings ranging from emergency medicine, intensive care, anaesthesia, military medicine, nursing and obstetrics. Published by Oxford University Press, the Manual of Simulation in Healthcare (2008) involves impressive contributions by simulation experts drawn from all around the world. In 2009, Assoc Prof Riley received a prestigious Book Award from the British Medical Society in recognition of the quality of his literary achievement. The book has been translated into Korean with other language editions likely to follow.

2012 Achievement Award Recipient
- Shawn Parr

Shawn Parr has dedicated over 20 years to the Australian simulation industry. Commencing as a senior researcher at the Software Quality Institute and culminating as the founder and CEO of Calytrix Technologies, Shawn has dedicated his working life to Simulation. Steadfastly supporting the simulation industry, and remaining active in the simulation community both here and overseas, he has built a unique Australian company that now exports Australian simulation products and services to over 15 countries worldwide.

2013 Achievement Award Recipient
- Dr Kerry Reid-Searle

Dr Kerry Reid-Searle has developed a unique humanistic simulation process called Mask-Ed (KRS simulation). With human-like silicone props she creates a platform to engage, inspire and motivate students to learn. Kerry has researched and developed the teaching approach, published findings, implemented the technique in national and international institutions, delivered conference papers and keynote addresses, designed resources, and transferred the strategy to other colleagues and health disciplines.
**TITLE**  
SIMULATION ACHIEVEMENT AWARD

**DESCRIPTION**  
Awarded for a significant contribution, made over an extended period of time, to the advancement of modelling and simulation in Australia or New Zealand. The contribution will have been made in the domain of science, technology, policy, standards, education or management & leadership, or a combination thereof.

**CRITERIA**  
The award is granted to an individual whose work has, in the opinion of senior members of the modelling and simulation community, made a significant contribution to simulation in the region.

The contribution made by the award winner will generally have been made in one or more of the following areas:

- **Science**: generating published peer-reviewed scientific research, including human factors research, related to simulation, that has broadened the use of simulation, or enhanced the effectiveness of simulation in Australia.
- **Technology**: development and/or advancement of simulation related technologies and/or frameworks.
- **Policy**: Development to management or policy principles and practices that have facilitated growth in the use of simulation.
- **Standards**: Leadership in the development of nationally or internationally recognised standards that have led to increased use of simulation.
- **Education**: Development of educational theory or programs for education in simulation which have contributed to Australia’s simulation capability, or publication of books or articles that share information.
- **Management & Leadership**: Creating or growing organisation(s) that have enhanced Australia’s simulation capability, creating new directions and opening new fields for the use of simulation. This includes work that has promoted and grown the simulation community as a whole.

**NATIONALITY**  
The award will be generally be granted to individuals who are citizens or permanent residents of Australia or New Zealand. The award may be granted to citizens of other countries if the contribution made has clearly and unambiguously benefitted the use of Simulation within Australia and/or New Zealand.

**PERIOD OF ACTIVITY**  
Over 5 years simulation-related activity

**LENGTH OF APPLICATION**  
Minimum 300 words (500 maximum)

**LENGTH OF CITATION**  
75 words (this will be read aloud at the Simulation Australia Annual Awards Dinner and printed on articles, etc)

**ELIGIBILITY**  
Individual Applicants Only. Simulation Australia membership is not required. This award will not be granted to teams. Refer to the Project/Innovation award for recognition of team effort.

**APPLICATION DEADLINE**  
Completed nominations must be received at the Simulation Australia office prior to 1800 Central Standard time on 18 July 2014.

The judges reserve the right to request additional information to assist in making their decision.

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Achievement Awards

Simulation Australia Project Innovation Award

The Project Innovation Award is a prestigious national competition which recognises and celebrates innovation and excellence in simulation by project teams around Australia and New Zealand. The award will be presented to the simulation project team that has achieved outstanding results in delivering a new simulation capability or utilising a simulation capability in a new and improved way.

2012 Project Innovation Award Recipient
- Virtual Reality Technologies: Third Generation Training Program

Virtual Reality Technologies (VRT) is a wholly owned subsidiary of Coal Services. The organisational purpose is to protect the mine worker and VRT support this commitment through continuous improvement in the field of virtual reality simulation training. The latest 3G software provides, by far, the world’s most advanced simulator, specialising in open cut and underground mine training. This training is assisting the NSW coal mining industry to move towards a culture of zero harm. This unique simulation innovation has been the culmination of a number of teams working closely together to deliver this successful training solution to the coal industry, ensuring the Coal Services purpose “To Protect” is achieved. VRT would like to acknowledge the ongoing support of their software developer, QinetiQ, who worked patiently with them to develop this unique third generation training solution, providing the foundation for the future. This software needs a high level projection system and they are delighted with the Christie Digital system installed and supported by VR Solutions. Lastly VRT has needed quality technical solutions for all their three types of VR platforms and they are grateful to ImmersaView for their support.

2013 CareFlight – MediSim Trauma Care Workshop

CareFlight MediSim is a trauma care workshop that provides practical, hand-on, high quality, simulation based trauma care training to rescue volunteers in regional, rural, remote and very remote locations across Australia, using experienced doctors, nurses and paramedics.

CareFlight recognised the fact that Australian health resources are stretched in sparsely populated and remote areas. The first people to arrive at the scene of a trauma accident will the local teacher, farmer or shop owner who is part of a volunteer emergency response team. These volunteers can wait for hours until professional medical help arrives leaving them to sustain the critically injured patient(s). While these volunteers have basic first aid training, CareFlight MediSim builds upon this knowledge, giving the volunteers more skills and confidence to sustain lives.

WHY SHOULD YOU PARTICIPATE IN THE PROJECT INNOVATION AWARD?

Simulation Australia focuses on supporting and recognising the achievement of excellence, and highlight global best practices and innovation in the simulation community. Participation in the Simulation Australia Awards highlights your organisation’s achievements in the field of simulation on a global level. In addition to the association of the project with a prestigious national competition, the winning entry will also be given the following benefits:

- An award trophy
- Presentation of winning project innovation at the Simulation Australia Annual Awards Dinner
- Display of the entries at the Exhibition
- Featured article on Simulation Australia’s Website
- Use of the Award Certificate in advertising
**PROJECT INNOVATION AWARD**

**DESCRIPTION**

The Project Innovation Award is a prestigious national competition which recognises and celebrates innovation and excellence in simulation by project teams around Australia and New Zealand.

**ELIGIBLE CATEGORIES**

Projects falling into one or more of the following categories are eligible to apply for the award.

- **Applied Research**
  Research of an applied nature that advances the state of the art in simulation technology, including research leading to new simulation products or processes. Research will have broadened the use of simulation, or enhanced the effectiveness of simulation.

- **Development Projects**
  Design and development of a new simulation system that has demonstrated benefits to the community need that it was developed to address.

- **Operations/Management**
  Projects that demonstrate innovative approaches to acquiring and utilising simulations, or making better use of already existing simulations.

- **Education**
  Design and development and implementation of extended education programs - including units of competence for the VET sector; university subjects of at least one semester duration, programs for accreditation of specific simulation competencies

- **Small Projects**
  Any project as defined in the above categories related to a capital expenditure of less than $4 million or an operations/management activity with an annual budget of less than $400,000.

Note that the Small Projects category is not a separate category, that is, there is only one Project Innovation Award each year.

**CRITERIA**

In keeping with Simulation Australia's mission of celebrating local innovation contributing to the advancement of the economy and society through simulation, projects will be assessed against five key criteria:

- Originality and Innovation
- Future Value to the simulation profession, and to the community as a whole
- The extent to which the project considers or addresses Social, Economic and Sustainability issues
- Complexity
- The extent to which the project exceeds customer/sponsor expectations

A project may be entered into the Awards if it either:
- Project was executed in a location within Australia or New Zealand, or
- The institutions responsible for the project are based within Australia or New Zealand.

The work entered must have been completed to such an extent that the performance can be assessed by the judging panel. Projects must have been completed or be operational for a minimum of 6 months, but no more than 5 years.

**GUIDELINES**

An entrant must submit one entry, which must address at least one of the categories above.

Projects that have previously received an award from another organisation are eligible to apply.

The competition is open to applicants who may be individuals, institutions, companies, governmental bodies, or any combination of the above, whether or not the organisation is a member of Simulation Australia.

Each entry must comprise of:
- An official entry form
- PowerPoint presentation
- Zip file containing the relevant submission materials

Simulation Australia reserves the right to use entry materials for any purpose related to the awards program.

**APPLICATION DEADLINE**

Completed nominations must be received at the Simulation Australia office prior to 1800 Central Standard time on 18 July 2014.

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Judging Process

Nominations are solicited via email and the Simulation Australia’s website annually, in June, using the Nomination Form. The Nomination Form includes evidence against the award criteria.

An Awards Review committee, including a committee Chair is appointed in May.

If a nomination for a member of the committee is received, or a committee member declares a conflict of interest, then the Chair will select a replacement from a similar organisation.

Completed nomination forms are distributed and assessed by the committee using a checklist.

The committee chair collates the assessments by committee members, compiles an overall assessment and makes an initial determination of the outcomes. The assessment by the chair is then distributed to the committee for validation. In the event the committee is unable to reach consensus, the committee chair is authorised to make a final recommendation.

The committee chair notifies the Simulation Australia board of the outcomes of the assessment, identifying dissenting views, if any.

The winner (if any) is advised, and is invited as a guest of Simulation Australia to the Annual Awards Dinner at the Conferences in August 2014.

Award Review Committee The Awards Review committee is selected by the Simulation Australia Board, and may consist of the Simulation Australia Board itself. The sub-committee is chaired by the Simulation Australia Chair, or as delegated.

The committee has at least five representatives from different segments of the Australian modelling and simulation community, typically:

- Science
- Government
- Industry

The committee may call on advice from experts or other members of the community where considered necessary.