

<b>Committee:</b>	<b>National Committee for Information and Communication Sciences</b>
<b>Period covered:</b>	1 July 2013 – 30 June 2016
<b>Chair:</b>	Professor Rod Tucker FAA
<b>Version and date:</b>	EXCOM approved Web version

<b>Purpose / context</b>	<ol style="list-style-type: none"> <li>1. To connect the Academy to information and communication sciences practitioners, researchers, and scientists in Australia;</li> <li>2. To link the Academy to Australian information and communication sciences societies in order to work together to promote the development of the discipline;</li> <li>3. To link Australian science in the discipline to world science, in particular through the membership of appropriate international organisations;</li> <li>4. To ensure that Australia has a voice and a role in the global development of the discipline;</li> <li>5. To provide strategic science policy advice, to the Academy, as input to Academy science policy statements, and (with the approval of the Executive Committee of Council) to the Australian Government and Australian organisations.</li> <li>6. To promote the national value and benefits of Information and Communication Sciences.</li> </ol>
<b>Description and objectives</b>	<p><i>(Description, purpose and benefits of the National Committee)</i></p> <p>The NC for Information and Communication Sciences is a new committee of the Council of the Australian Academy of Science. Established in 2014, the broad aims of the committee are to foster Information and Communication Sciences in Australia, to link the Academy to scientists and practitioners in this area and to relevant scientific and professional societies, and to serve as a link between Australian and overseas scientists.</p>
<b>Coverage</b>	<p><i>(To be informed by the report of the Review Committee, with others as necessary)</i></p> <p>Artificial intelligence, image processing, pattern recognition and data mining, control systems, signal processing, computer science, electronics and electrical sciences, information theory, telecommunications, cyber security, computer engineering, software engineering, robotics, data science and engineering, information systems, ubiquitous computing, interaction design.</p>
<b>Linked international organisations</b>	
<b>Key connected organisations</b>	<i>(List international unions, Australian scientific societies, other national committees, etc)</i>

	<p><b>Links to other National Committees:</b> Information and Communication technologies are so central to science today that this new National Committee could link to all National Committees. Close links with Brain and Mind. Mechanical and Engineering Sciences, Mathematical Sciences.</p> <p><b>Australian Societies and Organisations:</b> An early aim of the committee is to establish links with relevant societies.</p> <p><b>International Organisations:</b> An early aim of the committee is to establish links with relevant international organisations.</p>
Key outcomes	<p><i>(Activities and projects. In addition, reference should be made to:</i></p> <ul style="list-style-type: none"> <li><i>• communication and interactions with various parties, with suggestions on how this can be done; and</i></li> <li><i>• obtaining resources to assist with outcomes and with international subscriptions.</i></li> </ul> <p><i>Please refer to the report of the Review Committee.)</i></p> <ol style="list-style-type: none"> <li>1. Approved committees structure and membership (annual);</li> <li>2. Approved annual report (annual);</li> <li>3. Engagement with Australian Information and Communication Science researchers and professionals by contributing news items to society publications, and seeking opportunities to discuss NC activities at general meetings of the societies;</li> <li>4. Engagement with relevant Australian societies and organisations, including inviting representatives of relevant societies as observers to NC meetings, and seeking opportunities to provide a regular statement on NC activities to such organisations;</li> <li>5. Engagement with relevant national committees on issues of common interest;</li> <li>6. Engagement with the Chief Scientist and ARCom about ensuring that Information and Communication Sciences form part of the STEM strategy for the nation;</li> <li>7. . Engagement with international organisations;</li> <li>8. Identification of nominees for the John Booker Medal in Engineering Science (annual);</li> <li>9. Consider working towards establishing a Decade Plan in the area of Information and Communication Sciences;</li> </ol>

	10. Obtaining financial and other resources to assist in the delivery of its activities, including contributions to the Australian subscriptions to International Organisations.
Indicative budget	<p><i>(\$3000 provided per annum. Include all other activities.)</i></p> <ol style="list-style-type: none"> <li>1. \$3000 per annum for meetings provided by AAS</li> <li>2. Up to \$2500 per annum to support attendance at internal meetings of linked international organizations.</li> </ol>
NC Officer contact	Jeanette Mill - <a href="mailto:Jeanette.mill@science.org.au">Jeanette.mill@science.org.au</a>
Approved by / date	