

## Criteria for review: Engineering Education Research (EER) contributions in CDIO

The EER track requires a full paper meeting criteria for **scholarliness** and **usefulness** for improving engineering education and supporting the goals of the CDIO initiative. In formulating the criteria below, the aim was to balance the aspects related to scholarliness and usefulness.

<b>Overall relevance</b>	<ul style="list-style-type: none"> <li>▪ Is the topic relevant, significant, interesting and timely for the engineering education community, and in particular for the CDIO Initiative?</li> </ul>
<b>Literature</b>	<ul style="list-style-type: none"> <li>▪ Is the paper informed by relevant theory and other literature?</li> <li>▪ Is the paper informed by papers from previous CDIO conferences focusing on the same topic?</li> <li>▪ Is it put into good use here?</li> </ul>
<b>Aim or problem</b>	<ul style="list-style-type: none"> <li>▪ Is it clear what the paper is trying to achieve, what problem it addresses?</li> <li>▪ Is it significant to the audience?</li> </ul>
<b>Research approach</b>	<ul style="list-style-type: none"> <li>▪ Does the paper adequately explain how the problem is approached and how the argument is built?</li> <li>▪ Are limitations critically discussed?</li> </ul>
<b>Conclusions</b>	<ul style="list-style-type: none"> <li>▪ Do conclusions address the stated problem or aim?</li> <li>▪ Are the claims credibly supported?</li> <li>▪ Does the paper deliver a take-away message for the community?</li> </ul>
<b>Coherence and clarity</b>	<ul style="list-style-type: none"> <li>▪ Is the paper clearly and logically structured?</li> <li>▪ Do the parts contribute to the whole?</li> <li>▪ Can the reasoning be followed through the paper?</li> <li>▪ Is the APA formatting followed?</li> <li>▪ Is the paper readable and language appropriate for the audience?</li> </ul>

### References

- Bernhard, J., & Baillie, C. (2016). Standards for Quality of Research in Engineering Education. *International Journal of Engineering Education*, 32(6), 2378–2394.
- Edström, K. (2016). Aims of Engineering Education Research - The Role of the CDIO Initiative. In J. Björkqvist, K. Edström, R. J. Hugo, J. Kontio, J. Roslöf,

R. Sellens, & S. Virtanen (Eds.), *Proceedings of the 12th International CDIO Conference* (pp. 974-985). Turku: Turku University of Applied Sciences.