**CDIO PEER-TO-PEER SUPPORT WORKING GROUP**

**Problem/Question**

The value of membership to the CDIO community of practice lies in the meaningful interrelations between members. As a global community there is a broad desire to introduce a peer-to-peer support cycle for member institutions at regular intervals across new members to more mature members. Firstly, this will stimulate members to share practices and enhance their education continuously. Secondly, at the highest aggregate level of the CDIO Initiative, the gathered information from these peer support should be used to build a history of evidence on the impact of CDIO on the quality of engineering education and its graduates. It would also enable the identification of regional and global trends that give guidance to the advancement of the CDIO Initiative.

A roundtable event was held at the International CDIO Virtual Conference 2021 hosted in Bangkok in June 2021 to identify the challenges that need to be addressed to achieve this. The output of this event was to establish a working group for 2022 with a list of seven challenges that fall under two areas to be address:

A) To establish a cyclic peer-to-peer review for CDIO members that is fit-for-purpose

B) To set up a research framework that can be used to build a history of evidence and impact of CDIO in practice.

These seven challenges were put forward and used to develop a plan of action at the CDIO Fall Meeting 2021 hosted virtually in November 2021. This plan of action outlines three outputs for the working group as outlined in the actions below.

**Leaders** (the persons who will evaluate the applications):

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**Things to be done before the physical conference**

The group will start working together remotely prior to the conference. They will also meet the day before the conference for consolidating the final proposal to present to the CDIO Council. An initial virtual meeting will be organized for late April/early May 2022 to introduce the team to each other and set an agenda with an action list of what the working group members will work on before the conference.

**Actions:**

1. Propose a structured guideline for a peer-to-peer support cycle for approval at CDIO Council
2. Develop set of tools using current self-evaluation, standards & simplified version of QAEMP
3. Proposal a buddy system for pairing members (consider diverse team pairing and visits as a highly recommended action)

**How will the finalization of the state-of-the-art paper be organized**?

Shortly after the conference the working group will submit a State-of-the-Art paper outlining a peer-to-peer support proposal to present to the CDIO Council and for inclusion in the proceedings (after review by the Program Committee).

**Some relevant materials:**

* J. Bennedsen, S. Rouvrais, J. Roslöf, J. Kontio, F. Georgsson & C. D. McCartan (2018): **Collaborative quality enhancement in engineering education: an overview of operational models at a programme level**, European Journal of Engineering Education, DOI: 10.1080/03043797.2018.1443058 <https://www.tandfonline.com/doi/full/10.1080/03043797.2018.1443058>
* Kontio, J., Heikkinen, K., Georgsson, F., Bennedsen, J., Clark, R., Matthiasdottir, A., Hermon, P., Rouvrais, S. & Karhu, M. (2015). **QA and Enhancement Marketplace for HEIs – an ERASMUS+ Project**. Proceedings of the 11th International CDIO Conference, June, Chengdu, China.   
  <http://www.cdio.org/files/document/cdio2015/103/103_Paper.pdf>
* Clark, R., Bennedsen, J., Rouvrais, S., Kontio, J., Heikkinen, K., Georgsson, F., Matthiasdottir, A., Soemundsdottir, I., Karhu, M., Schrey-Niemenmaa, K. & Hermon, P. (2015). **Developing a Robust Self Evaluation Framework for Active Learning: The First Stage of an ERASMUS+ Project (QAEMarketPlace4HEI).** Proceedings of the 43rd SEFI Annual Conference, June, Orleans, France.
* Bennedsen, J., Clark, R., Rouvrais, S. & Schrey-Niemenmaa, K. (2015). **Using Accreditation Criteria for Collaborative Quality Enhancement.** Proceedings of 2015 International Conference on Interactive Collaborative Learning (ICL), Florence, Italy, 334-341.
* Kontio, J., Bennedsen, J., 2019, **Is the CDIO journey worth it? – An analysis of European intermediate CDIO members**, Proceedings of the 15th International CDIO Conference, University of Aarhus, Aarhus, Denmark, June 25-27 <http://www.cdio.org/files/document/file/9.pdf>
* Aldert Kamp (2021): **CDIO. CAN WE CONTINUE THE WAY WE ARE?**, Proceedings of the 17th International CDIO Conference, Chulalongkorn University, Bangkok, Thailand, June 21-23, Online   
  <http://www.hefce.engc.ac.cdio.org/files/document/file/32.pdf.pdf>