

A Proposal for a New IFAC Industry Committee Task Force  
**Open Access Resources for Continued Education of Automatic Control Practitioners**

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### **Motivation and Background**

A curated repository of free online resources will serve the practice community to refresh on fundamentals, prepare for licensure examinations, or learn new skills. This project will be an extension to an ongoing initiative by TC 9.4 Control Education to organize open access resources for control instruction in academia, [1]. A close collaboration between EdCom and IndCom will result in a common portal for accessing open resources by both academic and practice communities.

The two most important, and thus far unresolved issues are:

- Resource categorization for curation purposes
- Hosting environment and portal for access to the resources

Input from industry is critical for the curation of the industrially relevant content. In addition, more resources are needed, specifically resources that are produced by industry for industry.

### **Task Force**

The task force will be led by *Atanas Serbezov*, [serbezov@rose-hulman.edu](mailto:serbezov@rose-hulman.edu). The task force will have 5-7 Industry Committee members who will collaborate with their counterparts from the Education Committee to collect and curate open access resources with particular emphasis on continued education of automatic control practitioners. Special emphasis will be placed on resource categorization and hosting environment.

It is expected that the project will continue for at least 2 years with possible extension depending on the volume of the collected resources. It is also expected that one or more conference/journal publications may also result from the task force work.

***Call for members:*** Industry Committee members who are interested in participating in the task force are asked to contact Atanas at [serbezov@rose-hulman.edu](mailto:serbezov@rose-hulman.edu) before October 31, 2022

### **Reference**

[1] Serbezov, A., et al. (5 more authors) (2022) *Open access resources to support the first course in feedback, dynamics and control*. In: IFAC-PapersOnLine. IFAC Symposium on Advances in Control Education (ACE 2022), 24-27 Jul 2022, Hamburg Bergedorf, Germany. (In Press)

**About the Task Force Chair:** Atanas Serbezov is the education liaison in the IFAC Industry Committee and the industry liaison in the IFAC Education Committee. Atanas is a Professor of Chemical Engineering at Rose-Hulman Institute of Technology, USA. He has extensive experience in both industry and academia. His interest in academia is the industrial relevance of the undergraduate curriculum.