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An initial bibliometric analysis and mapping of systems engineering research

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ABSTRACT

Systems engineering is still a growing field that depends on continuous research to develop and mature. Research in systems engineering is difficult and the classic approaches for other engineering disciplines may not be sufficient. Additional methods and tools from business and social sciences are required to address all the issues in systems engineering. This paper performs a bibliometric analysis on the Systems Engineering journal from INCOSE to capture and discuss the status and trends of research in the field. This is also complemented by systematic mapping of the field to develop a structure for classification of systems engineering research. The aim is to use this information to formulate a research approach tailored for systems engineering.