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IAA MULTILINGUAL ASTRONAUTICAL TERMINOLOGY SYMPOSIUM (E8)
Multilingual Astronautical Terminology (1)

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RESEARCH & DEVELOPMENT IN ASTRONAUTICAL TERMINOLOGY - A PROJECT SUMMARY AND CALL FOR SUPPORT

Abstract

This paper summarizes living astronautical terminology research and activities by the author. The work is both a stand-alone endeavor with value in itself, and a part of a broader project. The paper will present the relationship between the two. The terminological tasks involves cataloging and examining key terms and concepts in or relevant to astronautics. The broader project involves exploring so-called knowledge-based approaches (such knowledge representation and reasoning in artificial intelligence) to spaceflight and broader space domain topics such as astronomy. Both are interdisciplinary and multi-perspectival, drawing on conceptual, lexical, semantic, ontological, and knowledge-based perspectives. The methodology thereby involves aspects from humanities disciplines (e.g., philosophical inquiry) and from technical disciplines (e.g., conceptual data modeling). Some applications of the work to date are mentioned. Some goals and anticipated benefits include conceptual clarification, concept and terminology refinement, terminology synchronization/harmonization, observations, recommendations for terms and definitions, conceptual models, and computable knowledge organization systems. The computable goals of the broader project may represent advances in astronautical terminology. As a personal project, this communication is also a call for formal support from those interested.