

ITC Conference Grant - APPLICATION FORM¹ -

Action number: CA20111

Applicant name: David Cerna

Conference Details

Conference title: THE 32nd INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE

Conference web-page: <https://ijcai-23.org/>

Conference venue²: Sheraton Grand Macao, Macao, S.A.R

Conference start and end date: 19/08/2023 to 25/08/2023

Accepted contribution details

Title of the presentation: Anti-unification and Generalization: A Survey

Type of the presentation: (oral/poster) Oral and Poster

Co-authors: Temur Kutsia

Other details of the presentation: The work was accepted as part of the Survey Track. The plan is to give a 10 minute Oral presentation and present the work as part of a poster session. *Note the requested money only partially covers the trip, thus the applicant has requested the maximum amount.*

Relevance of the Conference topic to the Action

Description of the relevance of the Conference to the Action (e.g., MoU objective, deliverable or WG task).

IJCAI is a leading AI conference, often featuring presentations and workshops on neuro-symbolic and symbolic learning. These topics strongly connect to the objectives and tasks of working group five. Furthermore, the work that David will present at IJCAI concerns symbolic generalization methods that may play an essential role in the development of statistical learners modeling symbolic tasks. Earlier work has used symbolic generalization for learning and synthesis of formal expressions. These observations motivated submission to the conference. The goal is to use this opportunity to participate in associated workshops concerned with neuro-symbolic learning to learn more about the research directions in the community and investigate ways to apply this work to the interest of working group five.

Motivation and expected impact

¹ This form is part of the application for a grant to present the work of the applicant at a conference. It is submitted to the COST Action MC via-e-COST. The Grant Awarding Coordinator coordinates the evaluation on behalf of the Action MC and informs the Grant Holder of the result of the evaluation for issuing the Grant Letter.

² For an online conference, specify virtual participation; for hybrid conferences, specify whether it is an in-person or virtual participation.

Description of the applicant's motivation to participate in the conference and potential impact on the applicant's career.

David partially addressed this in the previous section. In addition, publishing, visiting, and participating in such prestigious events will allow the applicant to meet well-established members of the AI community and better understand how his work fits within the current interest of the community. Furthermore, participation will facilitate his search for new collaborations. He participated in IJCAI second time visiting this conference. Last year he met key members of the symbolic learning community resulting in many discussions and an invitation to participate in the upcoming Dagstuhl seminar on inductive learning. He expects similar results from the forthcoming participation. Also, adding such publications and involvement to the applicant's CV will likely aid his chances to secure future funding and attain tenure at his current institute (currently tenure-track).