

Preface to the CLTM-CLTD 2024 Special Issue

This special issue features four invited papers from the 2024 edition of the MSc. and PhD. thesis contests, organized by CLEI, the Latin American Center for Computing Studies. CLEI's mission includes promoting the scientific growth of all computing fields across Latin America. To recognize these advancements and foster the region's graduate programs, CLEI has been hosting the Latin American Master Thesis Contest (CLTM) annually since 1993 and the Doctoral Thesis Contest (CLTD) since 2016. Both contests are held in conjunction with the Latin American Computing Conference (CLEI conference).

The 2024 conference took place in Bahía Blanca, Argentina, and received numerous high-quality submissions for both the MSc. and PhD. contests. Post-conference, the authors of the best works were invited to submit original, unpublished papers to the CLEIej journal. These submissions went through another evaluation round, adhering to the journal's standard review process. As a result of this selection process, we are pleased to present this Special Issue, which includes the following works:

- Leonardo Ariel Libutti, Marcelo Naiouf, and Francisco D. Igual “Optimizing Resource Allocation for Elastic Tensorflow Container Scheduling on Multi-core Servers”, Universidad Nacional de La Plata (UNLP), Argentina, 2nd prize CLTM 2024.
- Artur André A. M. Oliveira, and Roberto Hirata Jr. “Deep learning and data integration for detecting trees entangled with utility lines”, Universidade de São Paulo, Brazil, 1st prize CLTD 2024.
- Hernani Delgado Chantre "MEC Placement Problem in Protected 5G Networks", State University of Campinas (UNICAMP), Brazil, 2nd prize CLTD 2024.
- William Hoyos, Jose Aguilar, and Mauricio Toro "Supporting decision-making in the clinical management of dengue using predictive and prescriptive modeling", Universidad Cooperativa de Colombia (UCC), Colombia, 3rd prize CLTD 2024.
- Rodrigo García, and Jose Aguilar "PRECISION AGRICULTURE FOR GRAZING AND ANIMAL HEALTH MANAGEMENT", Universidad EAFIT, Colombia, selected thesis CLTD 2024.

Congratulations to the authors, including both students and their advisors, for their excellent work. Finally, we want to thank the reviewers for their effort.

Esteban Clua, Alicia García-Holgado, Maria Laura Cobo, Alicia Martinez and Rhadamés Carmona
CLEIej Guest editors
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