**Predicting the top-level concepts of domain entities using word embeddings, informal definitions, and deep learning**

Alcides Gonçalves Lopes Junior

[*agljunior*@inf.ufrgs.br](mailto:agljunior@inf.ufrgs.br)

Institute of Informatics, Universidade Federal do Rio Grande do Sul, Brazil

Joel Luis Cabonera

jlcarbonera@inf.ufrgs.br

Institute of Informatics, Universidade Federal do Rio Grande do Sul, Brazil

Daniela Schmidt

[daniela.schmidt@ufrgs.br](mailto:daniela.schmidt@ufrgs.br)

Institute of Informatics, Universidade Federal do Rio Grande do Sul, Brazil

Mara Abel

marabel@inf.ufrgs.br

Institute of Informatics, Universidade Federal do Rio Grande do Sul, Brazil