

From Computational Argumentation to Explanation

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In this talk I will overview recent efforts deploying computational argumentation to obtain and deliver to users explanations of different formats for a variety of systems, including recommenders, classifiers and schedulers. These efforts rely upon extracting argumentation frameworks comprising sets of arguments and dialectical relations between them (e.g. of attack and, in addition or instead, of support), enforcing semantics (defined either in terms of dialectically acceptable sets of arguments or of dialectical strength of arguments, satisfying desirable dialectical properties such as that supports against an argument should strengthen it) and deploying systems for semantics computation, thus making full use of the computational argumentation pipeline.