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Argument Mining from Dialogue"; "Strong Admissibility Revisited";
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Preferred Extensions Enumeration"; "The DIAMOND System for
Computing with Abstract Dialectical Frameworks"; "Reasoning in
Abstract Dialectical Frameworks Using Quantified Boolean Formulas";
"Multi-Valued and Probabilistic Argumentation Frameworks"
"Properties of Random VAFs and Implications for Efficient
Algorithms"; "Resolution-Based Grounded Semantics Revisited";
"Decomposing Abstract Dialectical Frameworks"; "A Principled
Approach to the Implementation of Argumentation Models";
"Combining Paraconsistent Logic with Argumentation"; "Probabilistic
Argument Graphs for Argumentation Lotteries"; "Enthymeme
Construction in Dialogues Using Shared Knowledge"; "Strategies in
Dialogues: A Game-Theoretic Approach"; "Argumentation Logic";
"Splitting Abstract Dialectical Frameworks"
"Revisiting Support in Abstract Argumentation Systems"; "A Self-
Correcting Iteration Schema for Argumentation Networks";
"Counterfactual Reasoning in Argumentation Frameworks"; "Balanced
Semantics for Argumentation Based on Heider's Socio-Psychological
Balance Theory"; "Complete Assumption Labellings"; "On
Controversiality of Arguments and Stratified Labelings"; "An ASPIC-
Based Legal Argumentation Framework for Deontic Reasoning";
"Arguments and Their Strength: Revisiting Pollock's Anti-Probabilistic
Starting Points"; "Demonstrations"
"Support for Factor-Based Argumentation"

Sommario/riassunto

Argumentation, which has long been a topic of study in philosophy, has become a well-established aspect of computing science in the last 20 years. This book presents the proceedings of the fifth conference on Computational Models of Argument (COMMA), held in Pitlochry, Scotland in September 2014. Work on argumentation is broad, but the COMMA community is distinguished by virtue of its focus on the computational and mathematical aspects of the subject. This focus aims to ensure that methods are sound - that they identify arguments that are correct in some sense - and provide an unambiguous speci
