

## عنوان مقاله:

Progressing Collaborative Systems

## محل انتشار:

مجله بین المللی پیشرفت در علوم کامپیوتر، دوره 3، شماره 3 (سال: 1393)

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## نویسندگان:

,Max Kanovich - *University College London, UCL-CS, UK*

Tajana Ban Kirigin - *Queen Mary, University of London*

Vivek Nigam - *Federal University of Paraíba, Brazil*

Andre Scedrov - *University of Pennsylvania, USA*

## خلاصه مقاله:

This paper builds on existing multiset rewriting models for collaborative systems. We formalize Progressing Collaborative Systems by restricting repetitions of actions. Namely, we consider processes where instances of actions are used only a bounded number of times. Administrative processes usually involve such progressing behavior, i.e. whenever a transaction is performed, it does not need to be repeated. We investigate the complexity of the reachability problem and the planning problem for Progressing Collaborative Systems that may create fresh values. We show that these problems are NP-complete when actions are balanced and the size of facts is bounded

## کلمات کلیدی:

Computational Complexity, NP-completeness, Collaborative Systems, Progressing, Fresh Values

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/280805>

