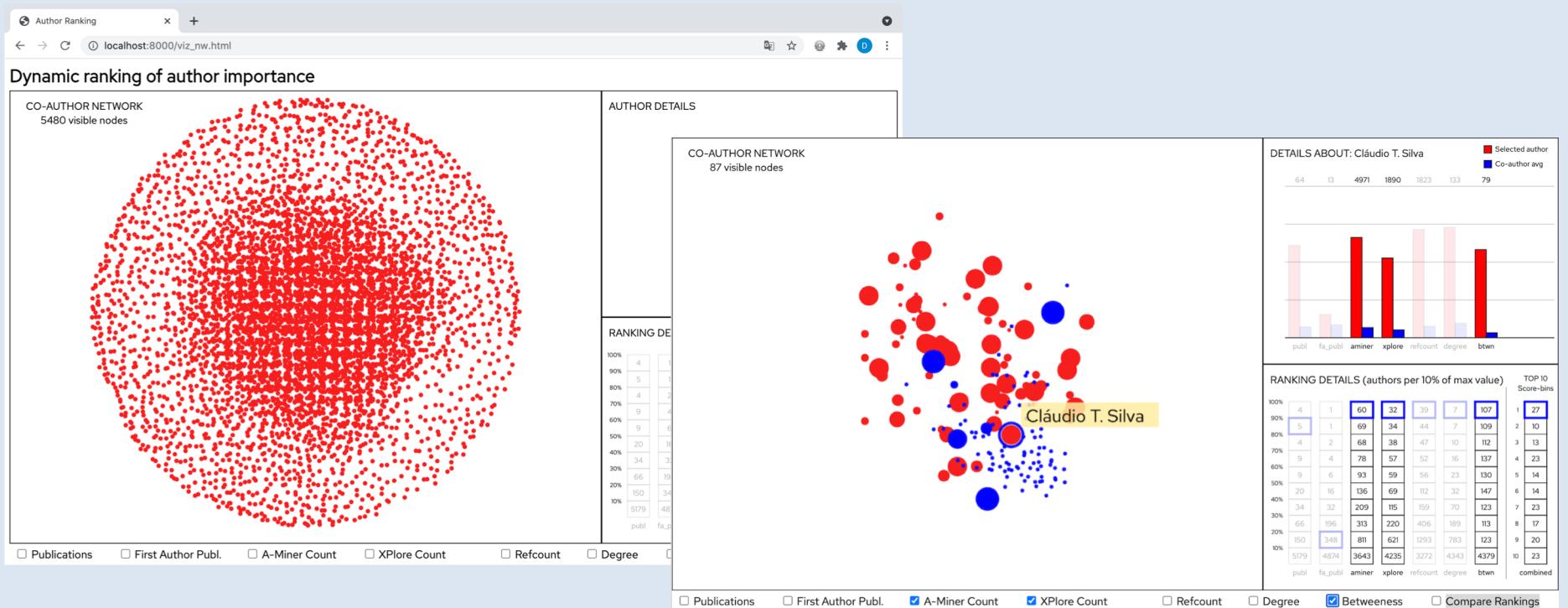


# Dynamic Ranking of IEEE VIS Author Importance

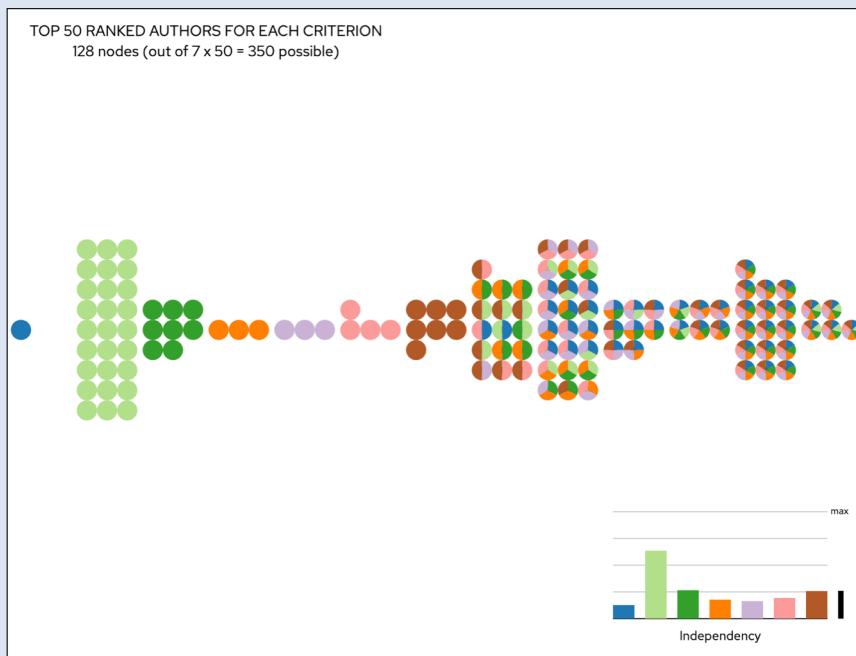
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The ranking of authors is an important task within the field of scientometrics, and several different methods and criteria exist. In this poster abstract, we present an interactive visualization approach for exploring combinations of several different ranking criteria for a given set of publications and its associated co-author network. Our visualization tool allows the user to gain insights into the relative importance of individual authors as well as into the interdependency of different ranking criteria.



## AUTHOR RANKING

The visualization loads a data set containing IEEE VIS conference publications and builds an attributed co-author network with about 5500 author nodes. The user may explore the ranking of authors by interactively selecting any combination of the provided ranking criteria. The application is designed for high responsiveness and detailed ranking information is provided when hovering an author node.



## CRITERIA DEPENDENCY

To obtain a fair ranking, the used criteria should be as independent as possible. The visualization provides a novel and purely visual way to assess the interdependency of any combination of criteria.

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