The conference management system is developed using WebDSL, a domain-specific programming language for the development of data rich web applications that integrates sub-languages for data modeling, a template language, access control rules, data validation, and full text search.


Federated conferences such as SPLASH are complex organizations composed of many parts (co-located conferences, symposia, and workshops), and are put together by many people and committees.

Developing the website for such a conference requires a considerable effort, and is often reinvented for each edition of a conference using software that provides little to no support for the domain.

Conf.Researchr.Org is a domain-specific content management system developed to support the production of large conference websites. It is used for the federated conferences of ACM SIGPLAN.