



Second Software Documentation Generation Challenge (DocGen2)

hosted by ICSME 2020

For the second time, ICSME is going to host the Software Documentation Generation Challenge. This time, **DocGen** is organized in three different tracks. One will be a competition, with prize winners selected according to a suite of objective metrics (**DeClutter**); one will be a tool demo similar to the challenge in 2018 (**ClassDoc**); and finally, we invite open tool demos on any documentation-related topic (**Open Exhibition**).

Decluttering Challenge (DeClutter): The goal of this year's challenge is to build an automated tool that can identify unnecessary software documentation at the class or file level. For example, a comment saying `//loop from 1 to N` just before code implementing exactly that is not helpful, and worse, could drift when the underlying code is changed, for example, to `N-1`. Both development and test data will be extracted from the *JabRef* project. However, participants might use additional labelled data from other sources in order to develop and implement their systems.

Tool Demo (ClassDoc): The tool demo is the successor of the 2018 competition. The goal is to build an automated system that can create on-demand developer documentation for a Java class. The documentation should help developers in answering specific questions about the class such as *What does the class do?* or *Why is the class implemented in this way?* An entry to the tool demo is a program that takes as input the fully qualified name of a class from the *JabRef* project and generates the developer documentation in HTML format.

Open Exhibition: We invite submissions in the area of automated documentation that do not fall into the preceding categories. Is there an aspect to documentation generation we are missing? Do you have a cool dataset that the community should consider?

For more information, please visit:

<https://dysdoc.github.io/>

Important Dates:

Submission deadline for all tracks: **10th July 2020**

Notifications for all tracks: **24th July 2020**

Camera-ready versions due (tentative): **7th August 2020**

Organizing Committee: Sebastian Baltes and Hideaki Hata (*General and Tool Demo Chairs*), Nicole Novielli and Neil Ernst (*Challenge Chairs*), Raula G. Kula and Michael W. Godfrey (*Exhibition Chairs*), Oscar Chaparro and David Shepherd (*Publicity Chairs*), Martin Robillard and Takashi Kobayashi (*Steering Committee Chairs*)