

## Third International Workshop on Dynamic Software Documentation - DySDoc3

hosted by **ICSME 2018**

DySDoc3 will feature the **First Software Documentation Generation Challenge - DocGen 2018**

**C** **hallenge** - build an automated system that can create, on-demand, reference documentation for a Java class. The documentation should address the information needs of an experienced programmer who is considering using the class as part of a software development task. The documentation will provide information helpful to understand the design of the class and how to use it, among others. Examples of the types of information that the document could integrate, include: key methods, usage constraints, usage examples, the role of the class in applicable design patterns, known issues and limitations, etc.

**S** **ubmission** - teams can enter the challenge in one of two categories:  
**Challenge** category will only accept entries that address the specific 2018 DocGen Challenge. The summaries of the competition entries will be published in the ICSME proceedings.  
**Exhibition** category will accept any demonstration of documentation generation technology, for any programming language, technology, or types of documents. Entries in the exhibition category will be invited to present at the workshop, but will not be evaluated as part of the competition.

**P** **articipation** in the 2018 DocGen Challenge category involves two phases: the **qualification** and the **competition**. All qualifying entries will be invited to the workshop. An entry to the 2018 DocGen Challenge is a program that takes as input the fully qualified name of a class from the Apache POI project and generates an output that contains the reference documentation for the input class in html format. To qualify for participation in the competition or exhibition, participants must submit a 2-page description of the key idea behind their document generator.

**C** **ompetition**. On the day of the workshop, the competition entries will be evaluated. A list of target class names will be provided to the competitors, who will use their tools to generate the respective reference documentation. The generated documents will be evaluated by a panel of judges and by the workshop attendants. The best entries will receive awards.

**General chairs:** Martin Robillard, Andrian Marcus, Christoph Treude, Michele Lanza

**Program chairs:** Neil Ernst, Marco Gerosa

**Qualifying committee:** David Shepherd, Sarah Nadi, Laura Moreno, Takashi Kobayashi, Shinpei Hayashi, Hideaki Hata, James Clause, Oscar Chaparro

**July 20: Qualifier submissions** ■ **July 27: Notifications** ■ **August 3: Camera-ready**

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