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A New User Front-End for EAST Remote Participation

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To provide high-efficient and low-cost way to meet international collaboration requirements for the EAST, a web-based remote participation system (RPS), details of which were first reported in the 10th IAEA Meeting in 2015, has been developed. The RPS team focused on the extension, update and optimization for the RPS during last two years. The purpose of this paper is to provide an update of the Remote Participation System in EAST Tokamak. EAST RPS has established Apache-Flex based front-end components to provide a plant-cross user interface since 2012. However, some Web browsers, such as Firefox and Microsoft Edge, disable the flash player plugin by default and the Flex technology will become less relevant in the future. The front-end migration should be a priority to update the EAST RPS. The open source, cross-platform, maintainability and life-cycle are the key features the front-end platform must have. Bootstrap which was provide by twitter, was select to be the front-end platform for EAST RPS. Bootstrap is a HTML, CSS and JS framework for developing desktop and mobile projects on the web and the solutions are offered in this paper.

Eligible for student paper award?

No

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