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## Development of Design Knowledge Representation Method and Design Support System Based on Semantic Web Technology

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**Summary:** It's getting more important to transfer knowledge from elder experts to young engineers especially in shipbuilding industry in Japan. We proposed a method to support knowledge transfer and developed a system based on workflow concept. From the case study in our prior report, the method and the system were proved to be useful for knowledge acquisition in design department. At the same moment, several problems are found during the case study. To resolve these problems, a formal process description method using semantic web technology is introduced and developed. The newly proposed method for formal process description and the developed system are evaluated in experimental use for CAD operation.

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