

SIGACCESS Member Profile

David Duce

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Member of SIGACCESS since: 2006

Member of ACM since: 1982

Also a member of: SIGGRAPH

1. How many years have you been working in this area?

5 years.

2. Please describe your current and/or past research project(s):

Our main work is a transformational approach to accessible diagrams. The idea is to start with description of the information content of a diagram (expressed as an RDF graph), then generate graphical and alternative presentations from this by transformation. The approach is not intended as a one-size-fits-all approach, but is aimed at classes of diagrams for which well-defined notational conventions exist. Our initial work has demonstrated the approach in the context of organisation charts and process diagrams (e.g. UML activity diagrams). It is also possible to query the diagrams, either graphically or textually.

3. What is your professional background?

Doctorate in spectroscopy and organometallic chemistry. Then worked (and still work) in computer graphics.

4. Have you participated in any SIGACCESS-sponsored event (e.g. the annual ASSETS conference)?

The W4A workshop.

5. What else would you like to see SIGACCESS do?

The new ACM journal on accessible computing is a major step forward in establishing the field of accessible computing within the academic community. In the context of kinds of research assessment exercise that certainly the UK practices, this is an important step.