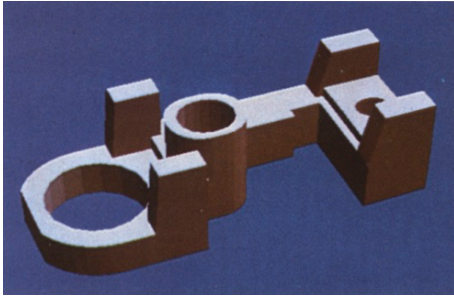# Wim Bronsvoort

- active in solid modeling since 1981
- mainly as associate professor at Delft University of Technology

- co-founder of Solid Modeling Association in 2000 and member of Executive Committee 2001-2005
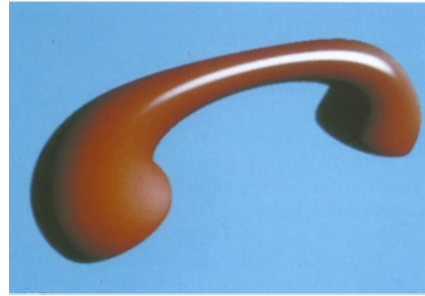- paper co-chair SMA conferences 1997, 1999 and 2009

Contributions

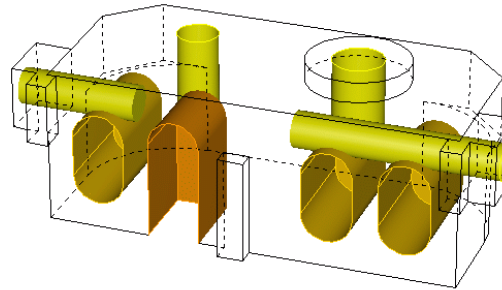- direct display algorithms of solid models
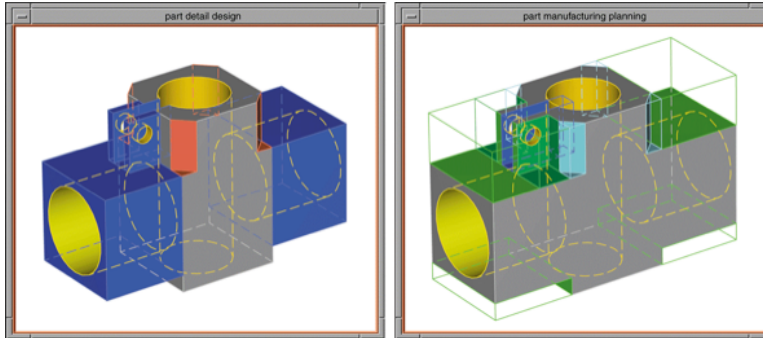

CSG models

generalized cylinders

- multiple-view, semantic, assembly, freeform and collaborative **feature modeling**
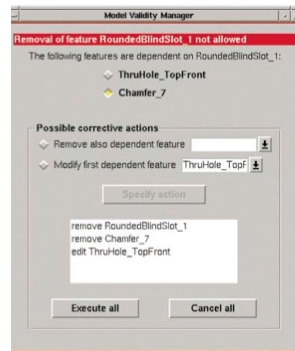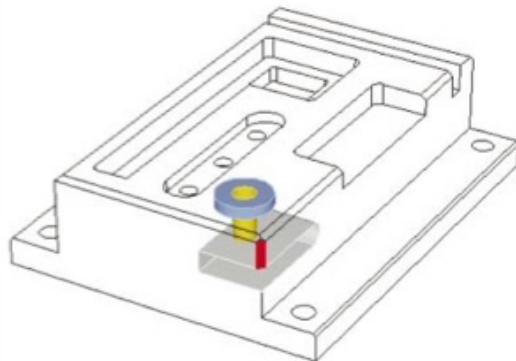
Major contributions

- **multiple-view feature modeling**: each application can have its own view on a product model

- design and manufacturing views

- feature conversion between views

- **semantic feature modeling**: validity of feature model is maintained during whole modeling process

- constraint solving and checking

- cellular models

Future developments (in my area)

- advanced semantics, at both detail level and global level

detail level: exact semantics
of complex parts and relations

global level: rough layout and
contents of virtual worlds

- close integration of models for design and "applications" (there is still too much conversion going on)

Acknowledgements

- the Solid Modeling "Pre-Pioneers", who inspired me to start working in the area too

- my PhD students, who were willing to listen to my problems and then came up with many good ideas

- the Executive Committees of SMA, who kept the show running

- the Award Committee of SMA, who awarded me the title of Solid Modeling Pioneer

Thank you all !