Dr Jeanette Wing

ICTAS2017 Publicity Chair

Senior Lecturer: Department of Information Technology

Dr Jeanette Wing holds a PhD Information Technology from the Durban University of Technology. Dr Wing is the B Tech coordinator and supervises post graduate students in the Department of Information Technology. Dr Wing's early research focused on programming languages with particular interest in the transition from structured programming languages to object oriented languages.

For her PhD her research focus shifted to the understanding of requirements by clients for Information System Development projects. This research involved the creation of a systemic framework for better collaboration between clients and software developers for Information Systems requirements. The parts of the framework are justified using Critical Systems Practice, a meta-methodology from Systems Thinking. The framework is validated and applied using the process of Action Design Research. Thus the framework shows how systems thinking can serve as a kernel theory in Design Science Research. The practical contribution is in a demonstration of the use of systems thinking in Action Design Research.

Her current research interests include Systems Thinking, the social construction of requirements, software engineering, action design research, and the user experience (UX).