

DesignCheck — helping you comply

Australia's building codes exist to protect the community but for house builders getting the details right can mean many visits to the local council to negotiate approval. Dr Lan Ding has the solution – an automated design checking system – DesignCheck.

The system was developed by Lan and a team of Sydney and Melbourne researchers from the Cooperative Research Centre (CRC) for *Construction Innovation*.

"Lan has both turned the codes into a readable format and then automated the checking process. It's a stunning achievement that could dramatically streamline the building design process," says Moshe Gilovitz, Director of Victoria's Building Commission.

The DesignCheck software tool assesses building designs against complex building codes. Through early identification of potential problems, the software overcomes inefficiencies in code compliance checking by reducing both time and cost.

"DesignCheck checks sketch designs, detailed designs and specifications," Lan says. "For example, when designers load a sketch design file into DesignCheck, it allows a path of travel to be checked against accessibility by the disabled."

Dr Lan Ding on (02) 9490 5457 / 0413 268 584 or lan.ding@csiro.au

"An advanced computer software tool that provides automated checking of designs against building codes"

Stay tuned for future developments of DesignCheck



Automated Code Checking

Industry, government and research partners collaborating on this Construction Innovation project are: Woods Bagot, Australian Building Codes Board, Building Commission (Victoria), CSIRO and The University of Sydney.



**FOR FURTHER INFORMATION
CONTACT DR LAN DING ON**

(02) 9490 5457

0413 268 584

CRC Construction Innovation
BUILDING OUR FUTURE

or email lan.ding@construction-innovation.info

The Cooperative Research Centre for Construction Innovation is a national research, development and implementation centre focussed on the needs of the Australian property, design, construction and facility management industry.

Construction Innovation undertakes applied research to produce industry-relevant results for its partners and the whole industry.

www.construction-innovation.info