

Arie van Riessen – Profile

Physicist and materials scientist with a strong focus on materials characterisation, especially scanning electron microscopy and x-ray diffraction. I have received extensive funding from both government and industry to purchase state-of-the-art research facilities and conduct research. When needed neutron and synchrotron techniques have been utilised to extract more detailed microstructural detail from samples. Extensive research into alkali activated materials or geopolymers has resulted in new processes, improvement in geopolymers with superior properties and an improved understanding of the geopolymerisation process.

I have held the positions of Head of department and Dean of research and development for the faculty of science and engineering at Curtin and have led several Australian Cooperative Research Centre program projects involving geopolymers.

TOPICS

The title of my presentation is:

"Optimising the Si:Al of geopolymer for maximum strength: Characterisation and quality Control."