

BULLETIN

September 2017

Volume 24, Number 3

A Presentation on Self Healing Concrete !

Friday 6th October 2017

The AFAS-Vic Committee is pleased to host a presentation by

Dr. Rackel SAN NICOLAS,

Research Fellow & Academic leader of the Geopolymer and Minerals Processing Group, Academic convenor of the Hallmark Material Research Initiative, Department of Infrastructure Engineering, Melbourne School of Engineering, The University of Melbourne, Victoria 3010

It's been used since the Roman times, but concrete has never been more popular than today, with China using more of the stuff in the last three years than the United States in the last century. Concrete is one of the most widely used materials in the world, but at some point, no matter how it is mixed, it will crack and deteriorate.

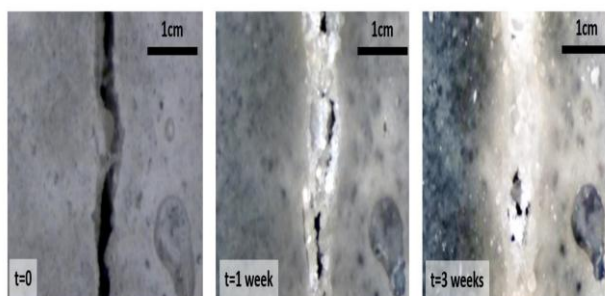
Australia consumes around 260 Million cubic meter of concrete per year and it spends \$200 million per year in concrete repair.

What about erasing this bleeding of money by imitating nature and give to concrete the same capacity that our body has to heal our broken bones?

A team of researchers at the University of Melbourne are now developing the last generation of these self-healing materials - they are high performance, low CO2 footprint, economical and longer service life.

Rackel San Nicolas is the leader of this team at the University of Melbourne and will present these fascinating concretes and how they are testing their structural integrity as well as estimating their service life.

Crack healing microscopic pictures of bio-modified concrete over time



WHEN:	Friday 6th October 2017
TIME:	Start 6:00 pm – Finish 8:30 pm
WHERE:	Melbourne University Learning environment room PAR-Alice Hoy-242 , Building 162, University of Melbourne Monash Road, Carlton VIC 3053

RSVP before Friday 29th September 2017 to

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