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## PhD Research Scholarship, Chemical Sensors / Materials Sciences, RMIT University, Australia

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*Mercury* is emitted into the environment via natural processes such as volcanic eruptions and [industrial](#) processes in large refineries and coal fired electricity generation facilities. This PhD [research](#) project aims to deliver highly sensitive and selective sensors for the online monitoring of mercury which can operate under the harsh environments found in many industrial applications. The research project will focus on developing tailored nano-engineered metallic and bimetallic surfaces through facile electrochemical and [chemical](#) methods and studying their interaction with mercury vapour at the nano level.

The positions are based at the City campus of the School of Applied Sciences through a joint collaborative project with Alcoa World Alumina ([Australia](#)) and BHP Billiton.

### Value

Two scholarships available, each valued at \$27,000 per year for 3 years

### Eligibility

Open to both local and [international](#) students.

The successful applicants will have a first class honours [Bachelor](#) degree in either applied sciences or chemical [engineering](#), with a strong desire to work in the field of chemical sensors and/or material sciences.

### How to apply

Contact [Professor](#) Suresh Bhargava.

**Opening date:** Mid 2011

**Closing date:** March 2012

### More information

Top-up Scholarship of up to \$10,000 per annum is available to [doctoral](#) students who gain an **Australian [Postgraduate Award \(APA\)](#)** scholarship starting in 2012.

For further information please contact *Dr Samuel Ippolito* or *Professor Suresh Bhargava*.

For more information please visit our website: <http://scholarshipsbank.com/phd-research-scholarship-chemical-sensors-materials-sciences-rmit-university-australia/>

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