

# Surface Engineering Webinar

Tuesday, 25 August 2020 @ 4.00 - 5.30pm AEST



Speaker	Time (AEST)	Title
Dr Christiane Schulz (UniSA) Professor Ivan Cole (RMIT)	4.00 – 4.05 pm	Welcome
Professor Chris Berndt (Swinburne)	4.05 – 4.30 pm	<i>Surface Engineering of Advanced Materials: Challenges and Opportunities</i>
Dr Thomas Schläfer (LaserBond Ltd)	4.30 – 4.55 pm	<i>Laser Cladding and Thermal Spraying as surfacing technologies for wear and corrosion protection of components in heavy industries</i>
Dr Patrick Keil (BASF Coatings GmbH, Germany)	4.55 – 5.20 pm	<i>Corrosion Protection by Organic coatings</i>
Dr Christiane Schulz (UniSA) Professor Ivan Cole (RMIT)	5.20 – 5.30 pm	Wrap-up





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Surface engineering is a sub-discipline of material science with applications in many industries including mining, oil & gas, steel, agriculture, automotive, etc. If a material degrades over time, it always starts from the surface as a result of interaction with the environment, causing wear and corrosion. Surface engineering processes in combination with smart material choices can significantly extend a components service life. Thus, saving resources, time and money.

This free Webinar features presentations from **Dr Thomas Schläfer** (LaserBond Ltd) expert in laser cladding and thermal spraying as coating processes used for wear and corrosion protection in heavy industries. **Professor Chris Berndt** (Swinburne) will talk about challenges and opportunities in surface engineering of advanced materials. **Dr Patrick Keil** (BASF Coatings GmbH) will present the challenges in coating development for the automotive industry.

A Webinar link will be provided closer to the date.

Surface Engineering for Advanced Materials (SEAM) is a government funded Australian Research Council Industrial Transformation Training Centre with the aim to train the next generation of engineers. This 5-year project aspires to be the model centre that integrates industry-university cooperation for applied training within an industrial setting, bringing commercial benefit to industries.