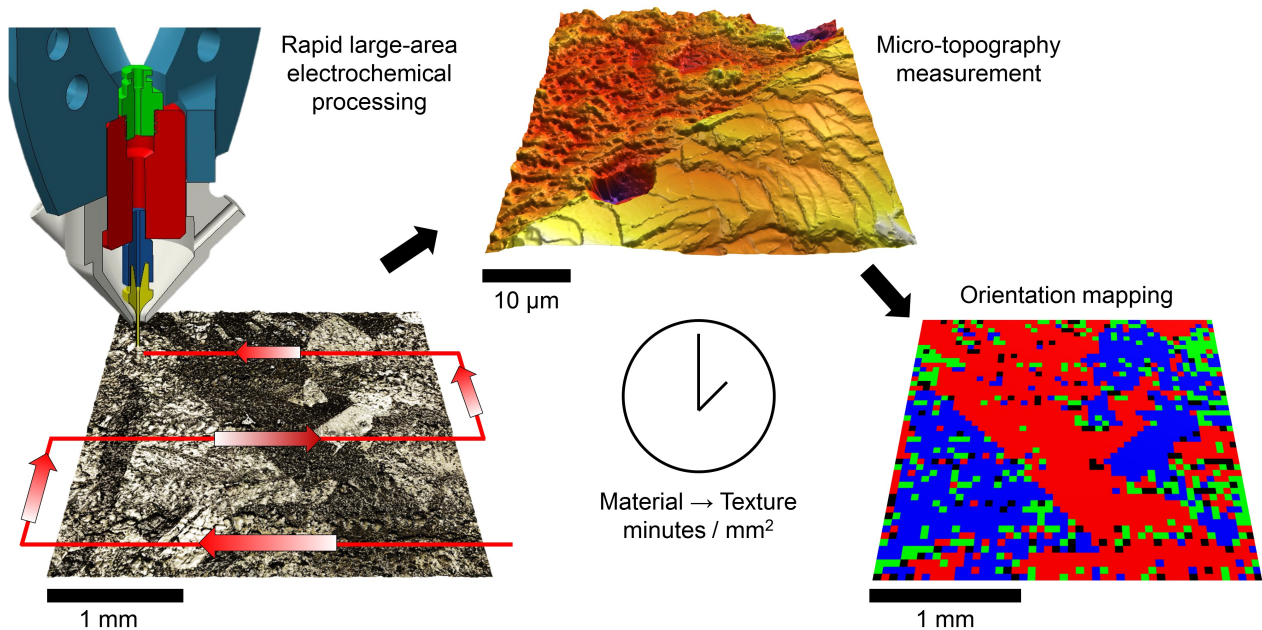


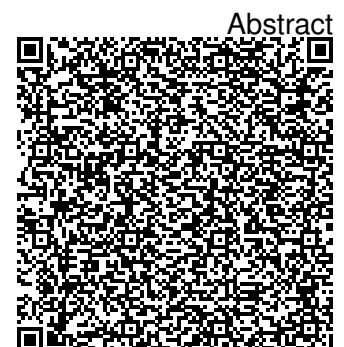
Optics and Photonics Group  
Lunchtime Seminar  
**“Electrochemical jet  
processing for materials  
characterisation”**

Alistair Speidel



1:00pm Wednesday 14th November 2018  
203 Tower building  
All Welcome

[http://optics.nottingham.ac.uk/wiki/Talks\\_2018](http://optics.nottingham.ac.uk/wiki/Talks_2018)



# “Electrochemical jet processing for materials characterisation”

Alistair Speidel

1:00pm Wednesday 14th November 2018

203 Tower building

All Welcome

Orientation affects application-defining properties of crystalline materials. Electrochemical jet processing (EJP) can characterise crystallographic texture, when coupled with accurate metrological appraisal. Implementation of this technique allows localised dissolution to be anisotropic and dependent on etch-rate selectivity, defined by the crystallography. EJP therefore generates complex, but characteristic topographies. Through rapid surface processing and analysis, textural information can be elucidated with limited time and cost penalty.