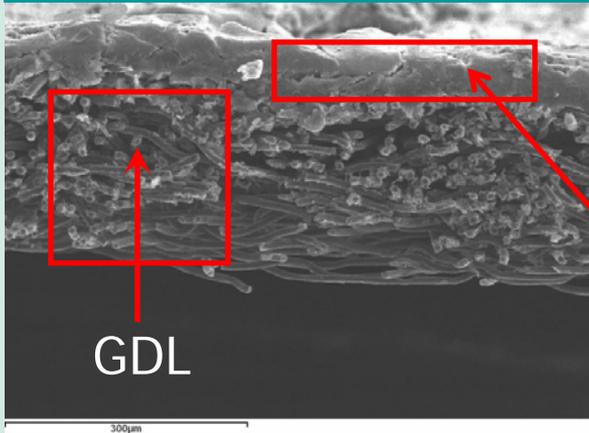


# SEM Coating Comparison of GDEs

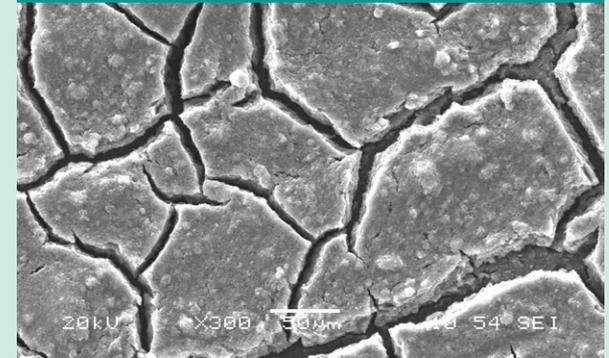
## Side View of GDE



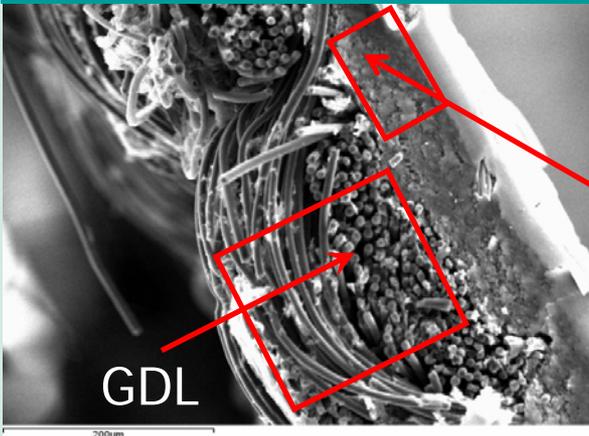
**Hand  
Painted**

CL thickness:  
ca. 30–100 μm  
Platinum catalyst

## Top View of Catalyst Coating



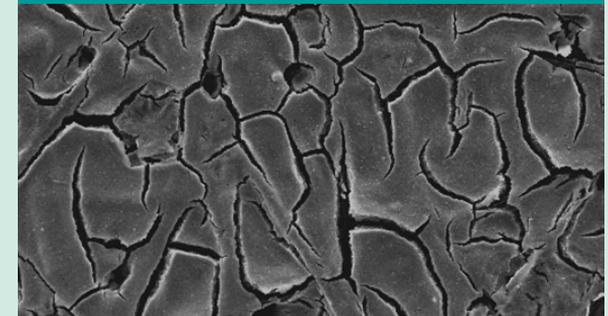
## Side View of GDE



**Commercial  
Screen Printed**

CL thickness: 40 μm  
Platinum catalyst

## Top View of Catalyst Coating



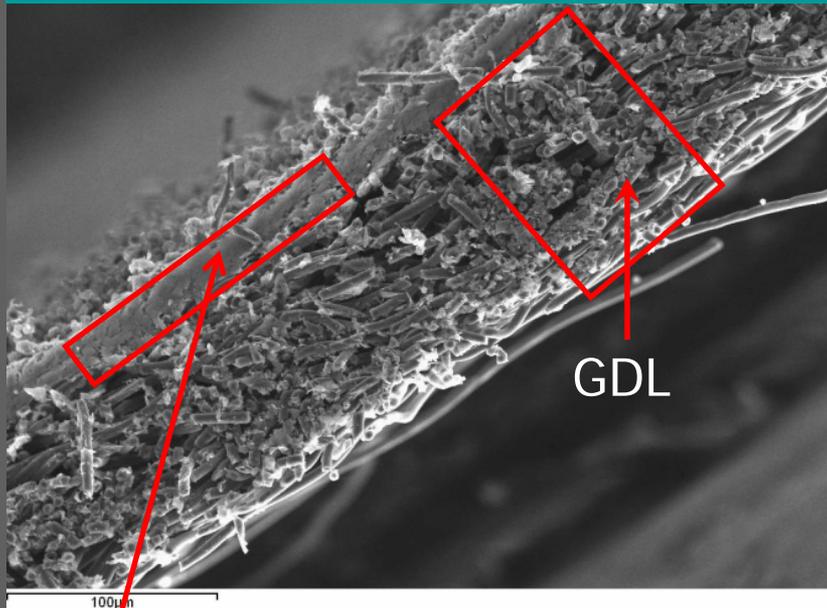
UNIVERSITY OF  
BIRMINGHAM

PEM FUEL CELL RESEARCH GROUP

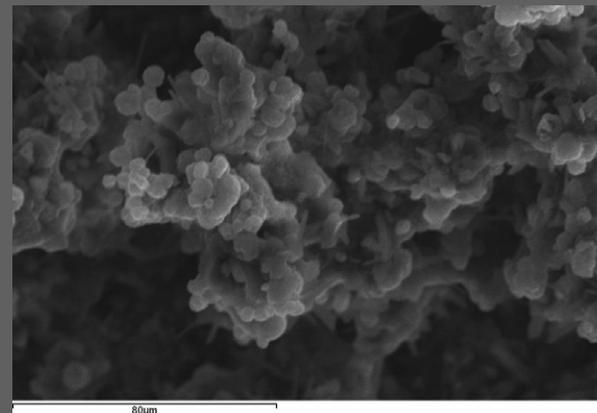
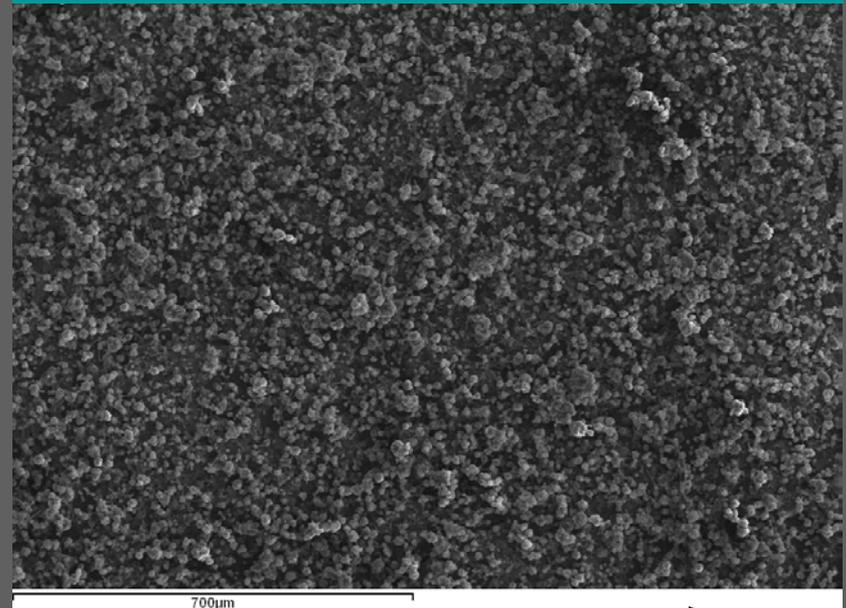
[www.polletresearch.com](http://www.polletresearch.com)

# SEM – Ultrasonic Spraying Method

## Side View of GDE



## Top View of PT Catalyst Coating



**CL: 30µm thickness  
Platinum catalyst**