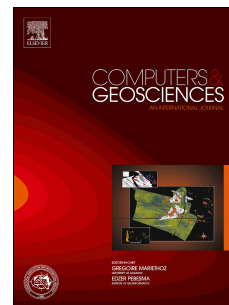


# Accepted Manuscript

Coupled X-ray computed tomography and grey level co-occurrence matrices as a method for quantification of mineralogy and texture in 3D

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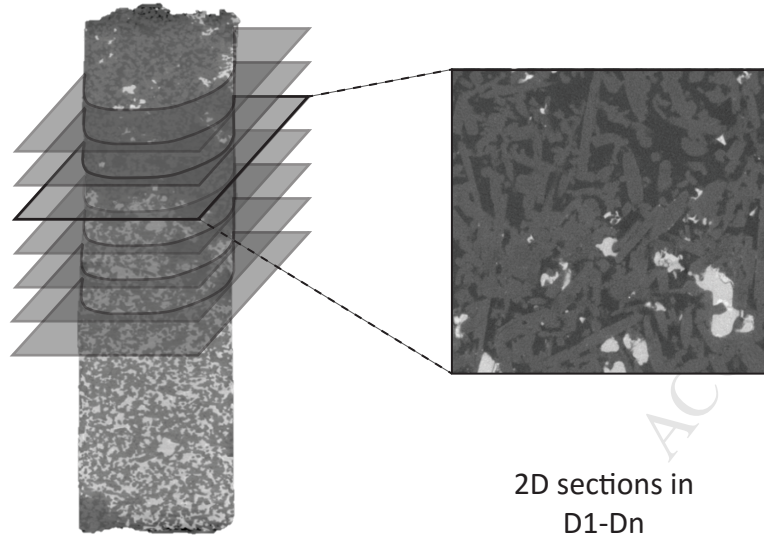
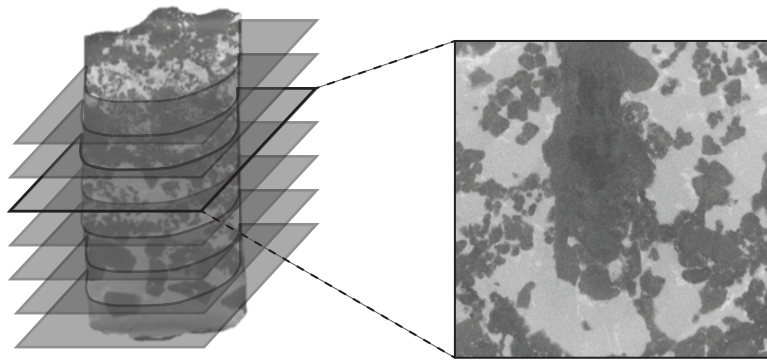
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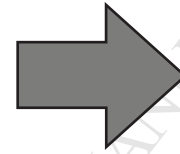
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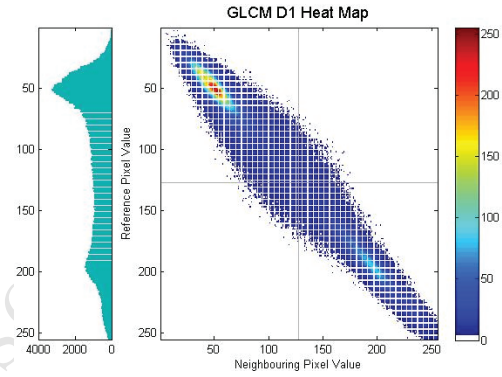


3D XCT drill  
core volumes

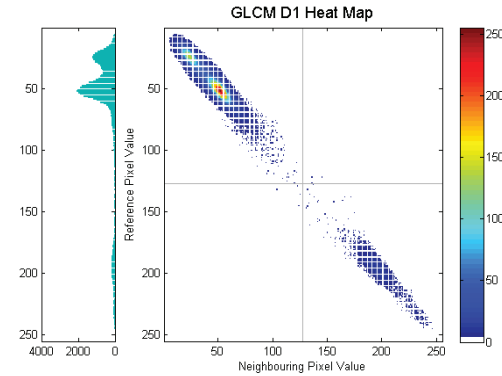
2D sections in  
D1-Dn  
direction



3D image  
analysis with  
grey level  
co-occurrence  
matrices



*Peak width from  
diagonal  $\Rightarrow$  grain  
size distribution*



*Peak position  $\Rightarrow$   
mineralogy  
(function of  
mineral density)*

Quantitative  
mineralogy and texture  
(D1-Dn directions)

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