

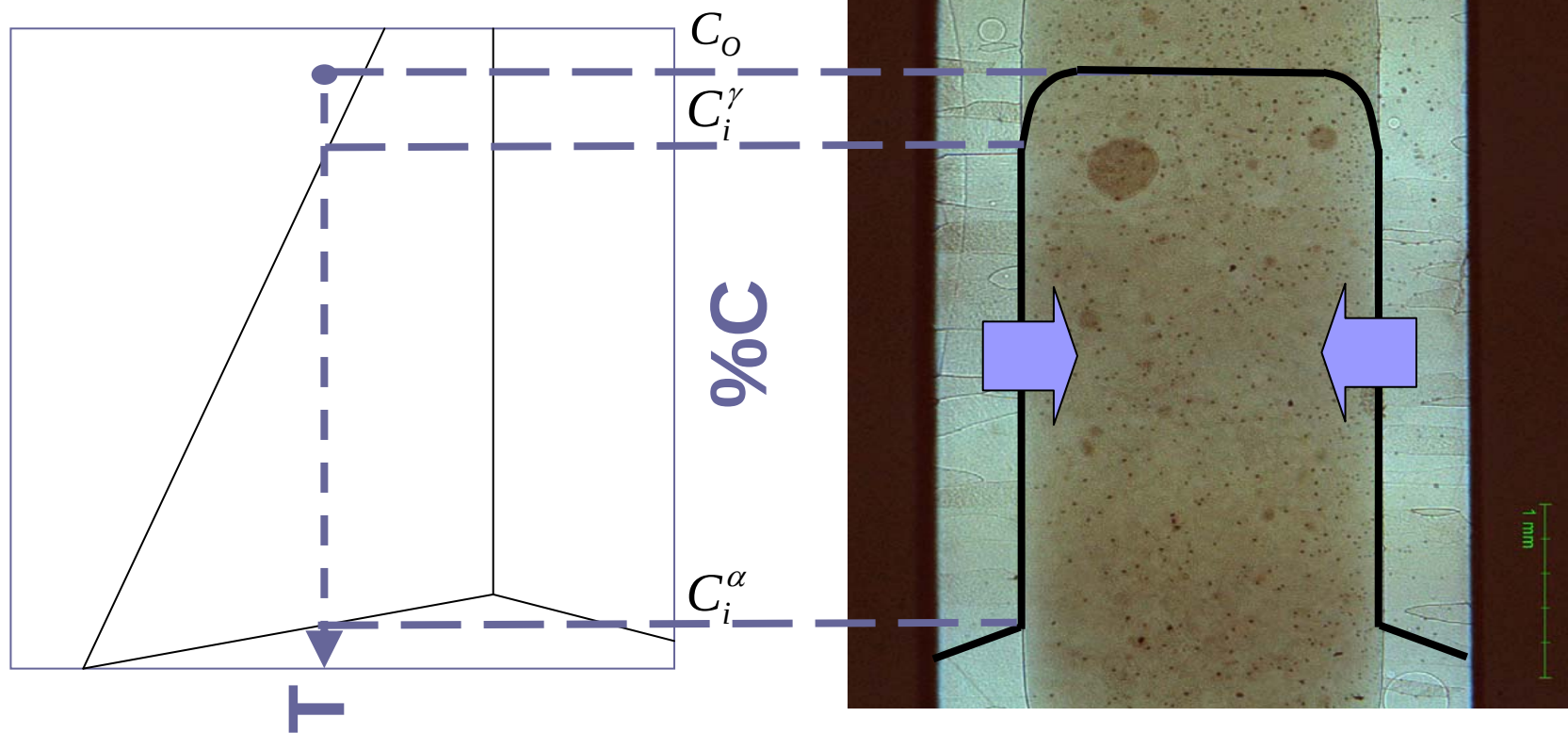
Investigation of ferrite growth kinetics during the $\gamma \rightarrow \alpha$ in Fe-Mo-C alloys

Damon Panahi, Stella Zhang, Hatem Zurob and Gary Purdy.

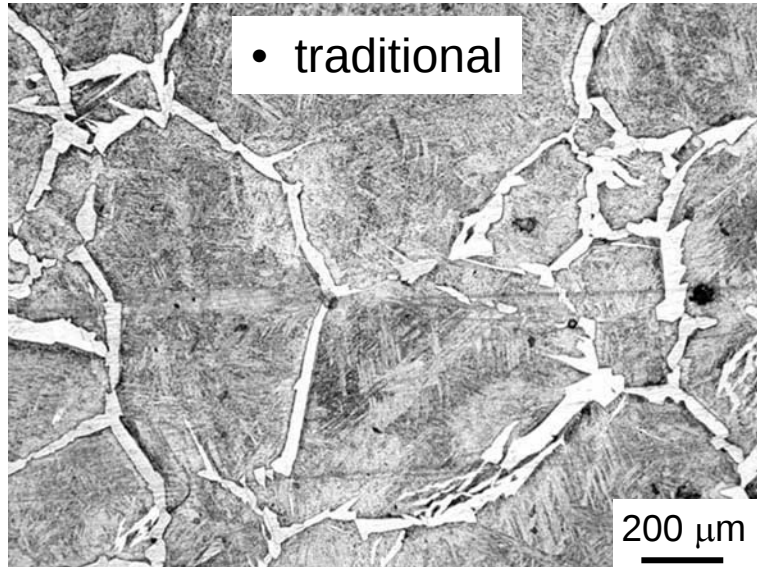
McMaster University, Hamilton, CANADA



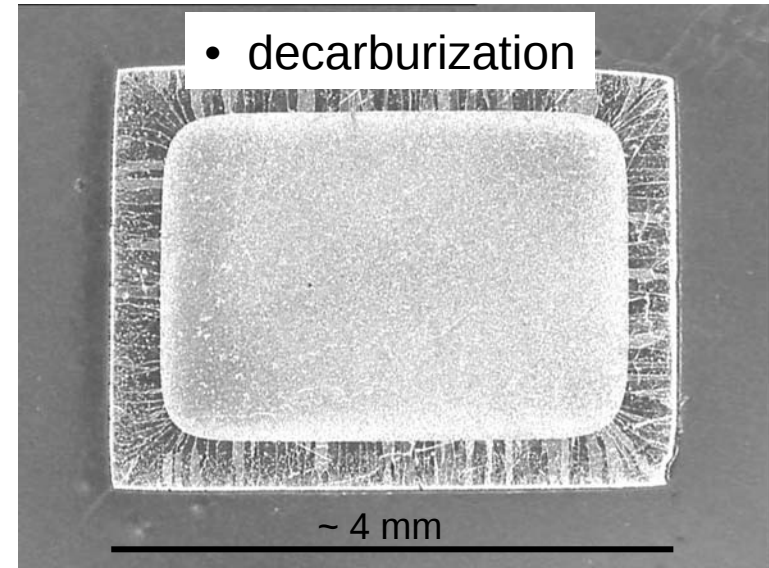
The Decarburization Method



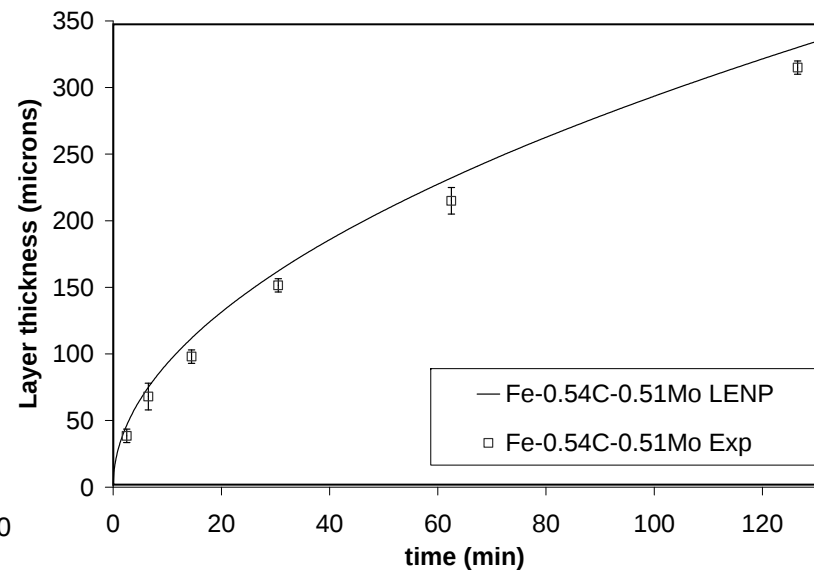
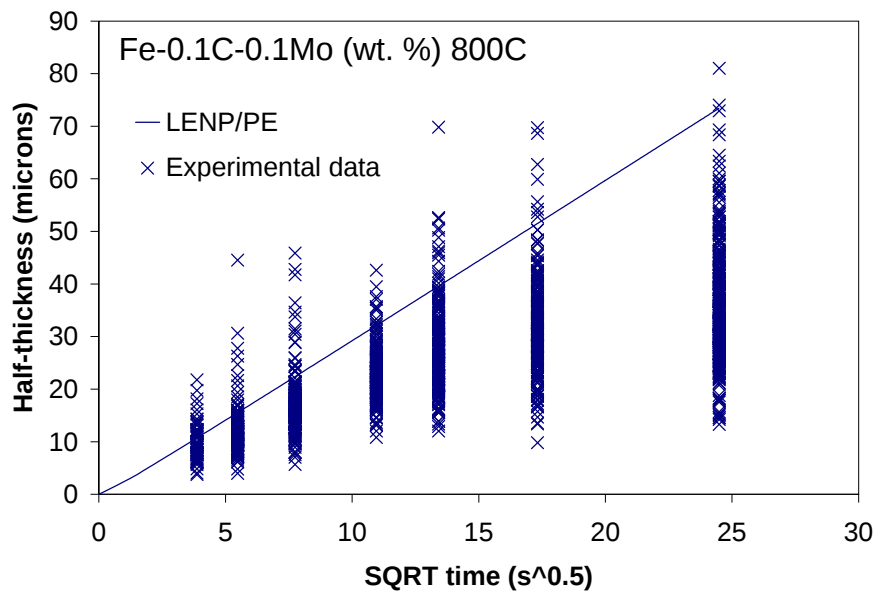
The Decarburization Method



Fe-0.1C-0.1Mo; 800C 1min

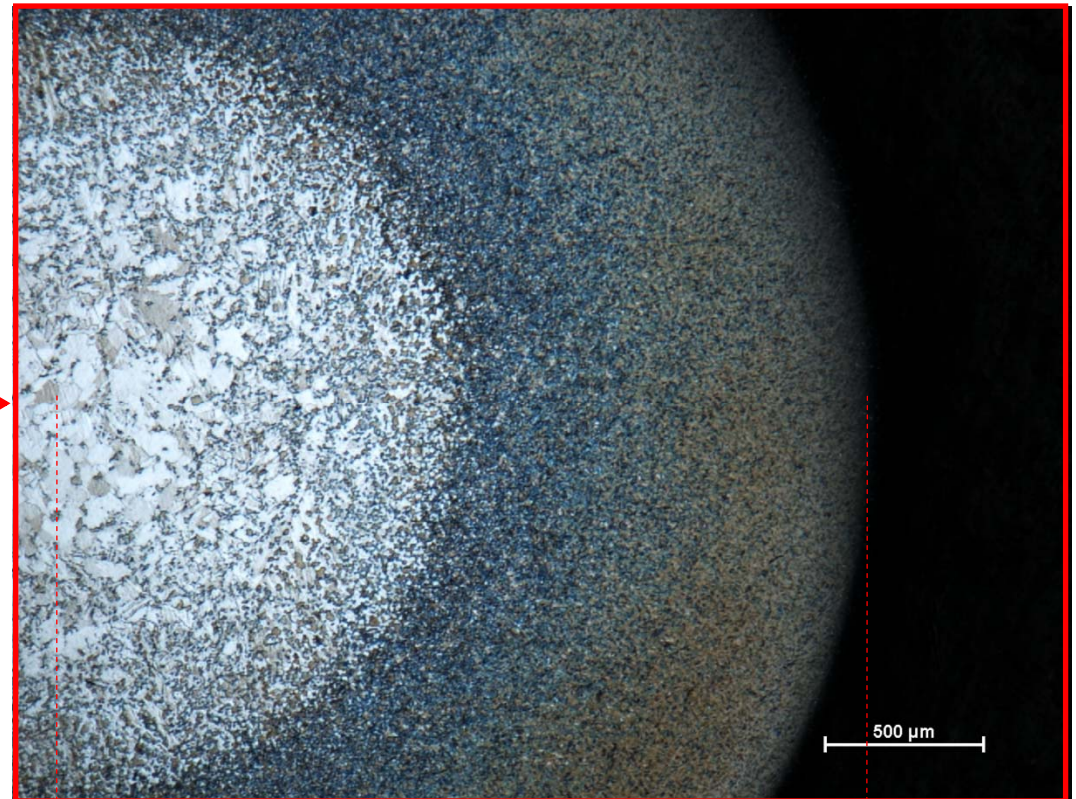
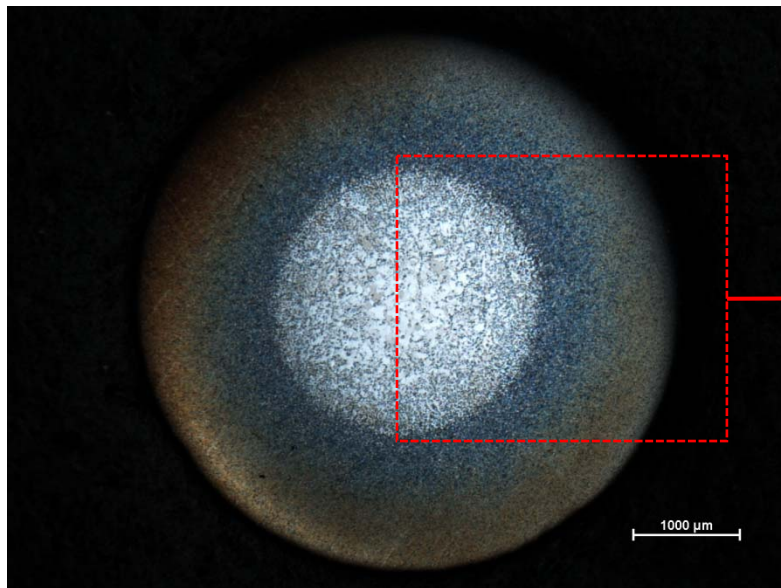


Fe-0.54C-0.51Mo; 825C 128min



Carbon gradient

(560 °C – 15 min)



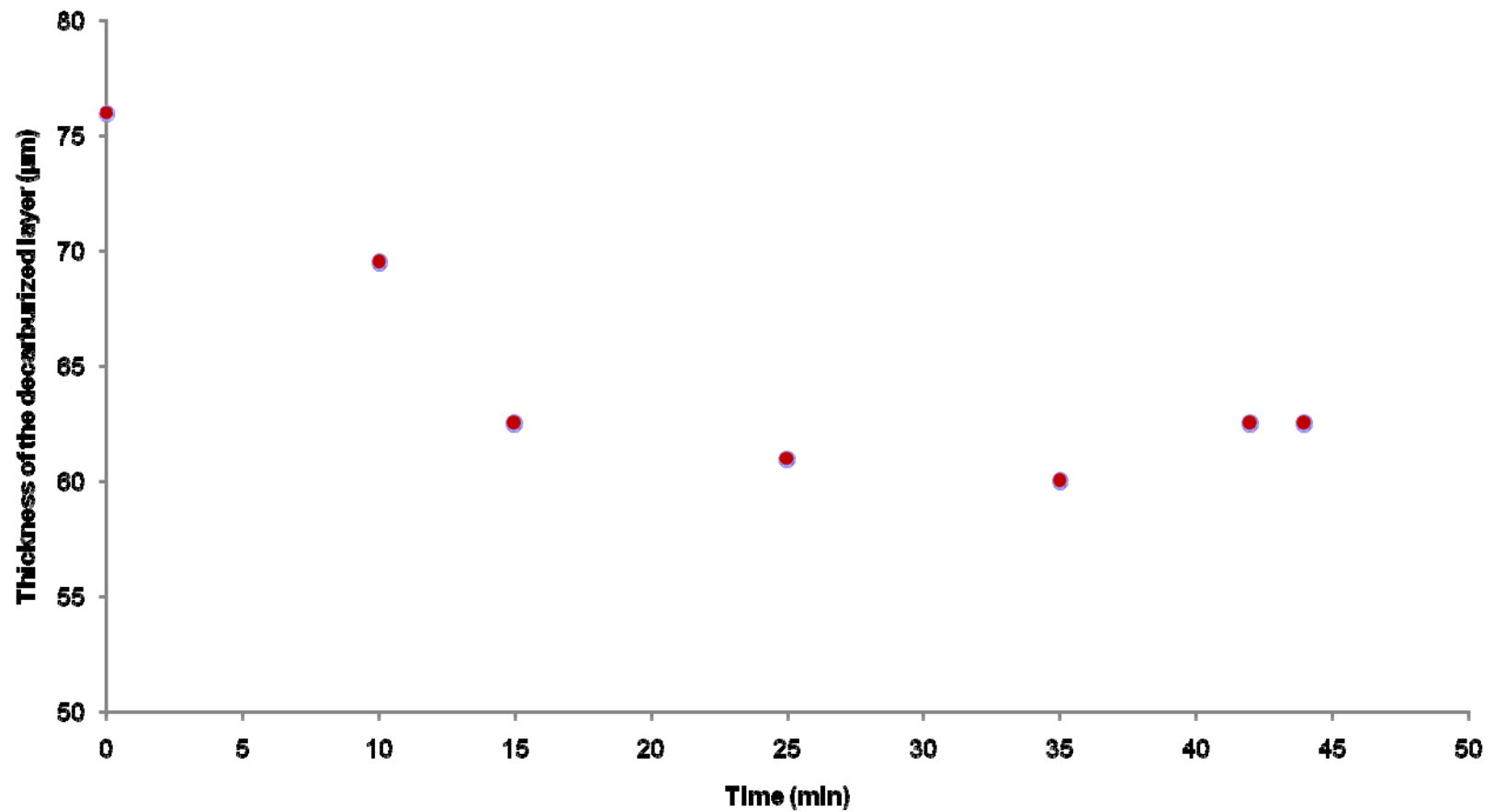
0.1

Carbon wt. %

0.8

Fe - 1.85 Mo - 0.61 C

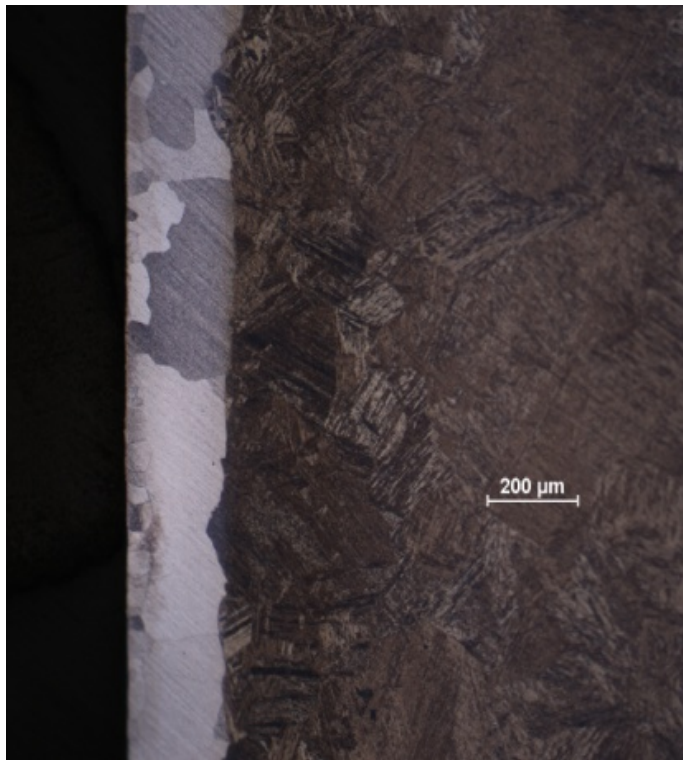
850 °C, 8 min → 600 °C, different times



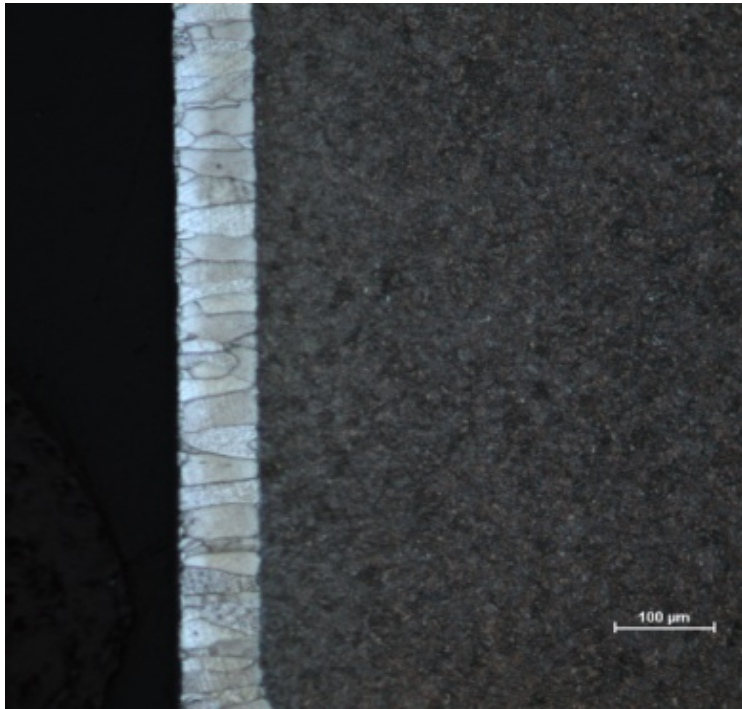


Stopping the Interface

Fe-C Binary



Fe-0.5Mo-0.5C



Fe-0.5Mo-0.5C

