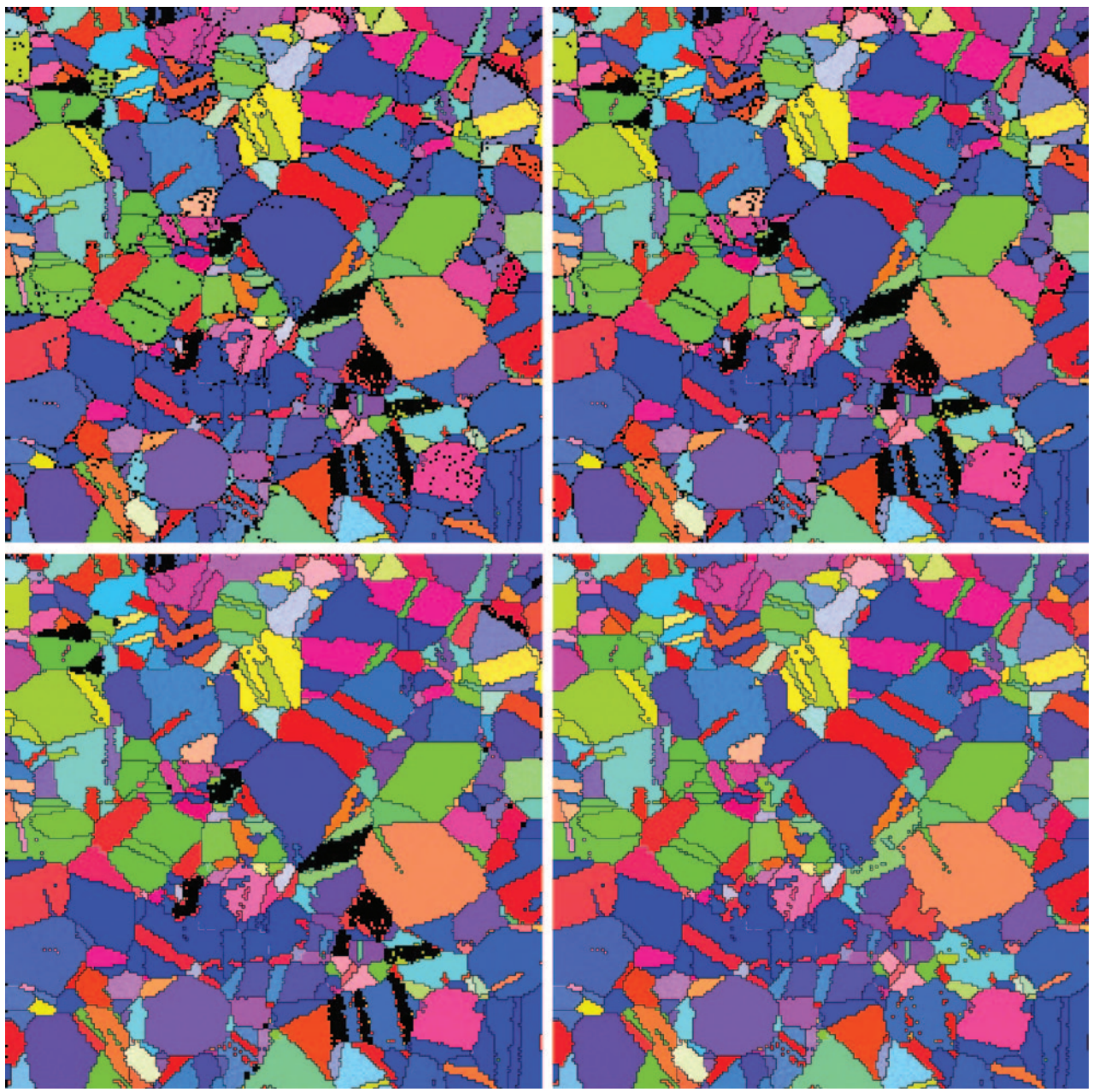


Microscopy TODAY

Volume 18 Number 2 2010 March



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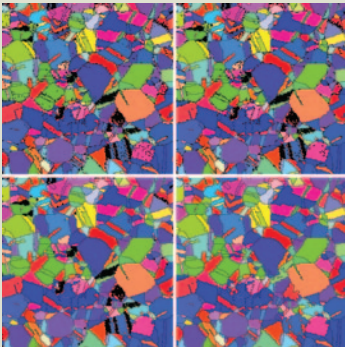
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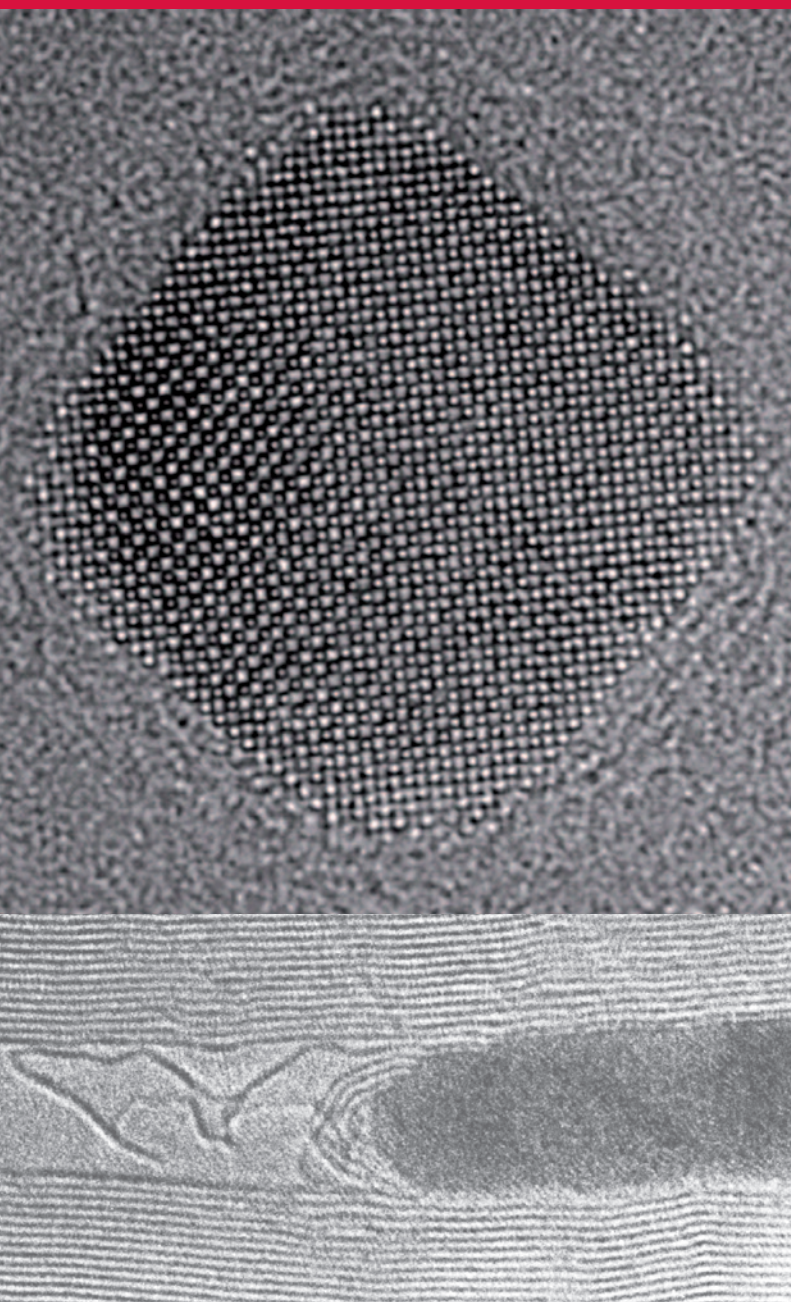


Different noise filters applied to EBSD inverse pole figures of recrystallized cartridge brass.

See article by Brewer and Michael.

Frontiers of energy research

Nanoscale solutions for global challenges



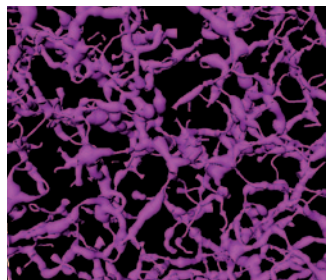
Discoveries at the atomic and nanoscales help solve challenges that affect all of us on a global scale, and FEI solutions are making a vital contribution to understanding the structure, property and function of energy-efficient solar cells, fuel cells and light emitting diodes, as well as enabling *in situ* visualization of catalytic reactions.

[See beyond at fei.com](http://www.fei.com)

Solid oxide fuel cell (left)
Kaneko *et al* NanoLetters (2007) 7(2).
Horizontal field width ~ 10 nm

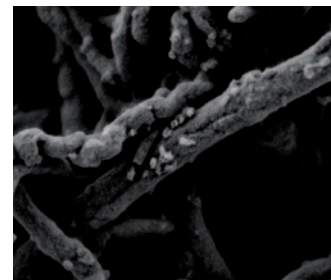
***in situ* catalysis** (below left)
Courtesy of M. Terrones, IPICYT, Mexico
Horizontal field width ~ 25 nm

Solar cell



Courtesy of S. van Bavel, TU/e, Netherlands
Horizontal field width ~ 100 nm

Carbon nanotubes



Sample courtesy of R. Gauvin and C. Probst, McGill University, Canada
Horizontal field width ~ 500 nm