Images by Peter J. Lee using our Field Emission Scanning Electron Microscope by combining images obtained using a conventional Everhart-Thomley SE detector, an in-lens SE detector and a backscattered electron detector in different color channels. The cross-sections were prepared and etched by Maxime Matras using strands fabricated by OST and heat treated by Jianyi Jiang and Maxime Matras at ASC.

Front Image : High density Bi-2212 filament macrostructure produced by the over-pressure (OP) technique developed at the Applied Superconductivity Center. The OP process almost eliminates the porosity that previously limited the transport critical current in Bi-2212 strands. This breakthrough will allow us to build the next generation of >30 T superconducting magnets using these round-wire multifilamentary wires.

 Front Image



from all at the

Applied Superconductivity

Center

GREETINGS SEASON'S

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