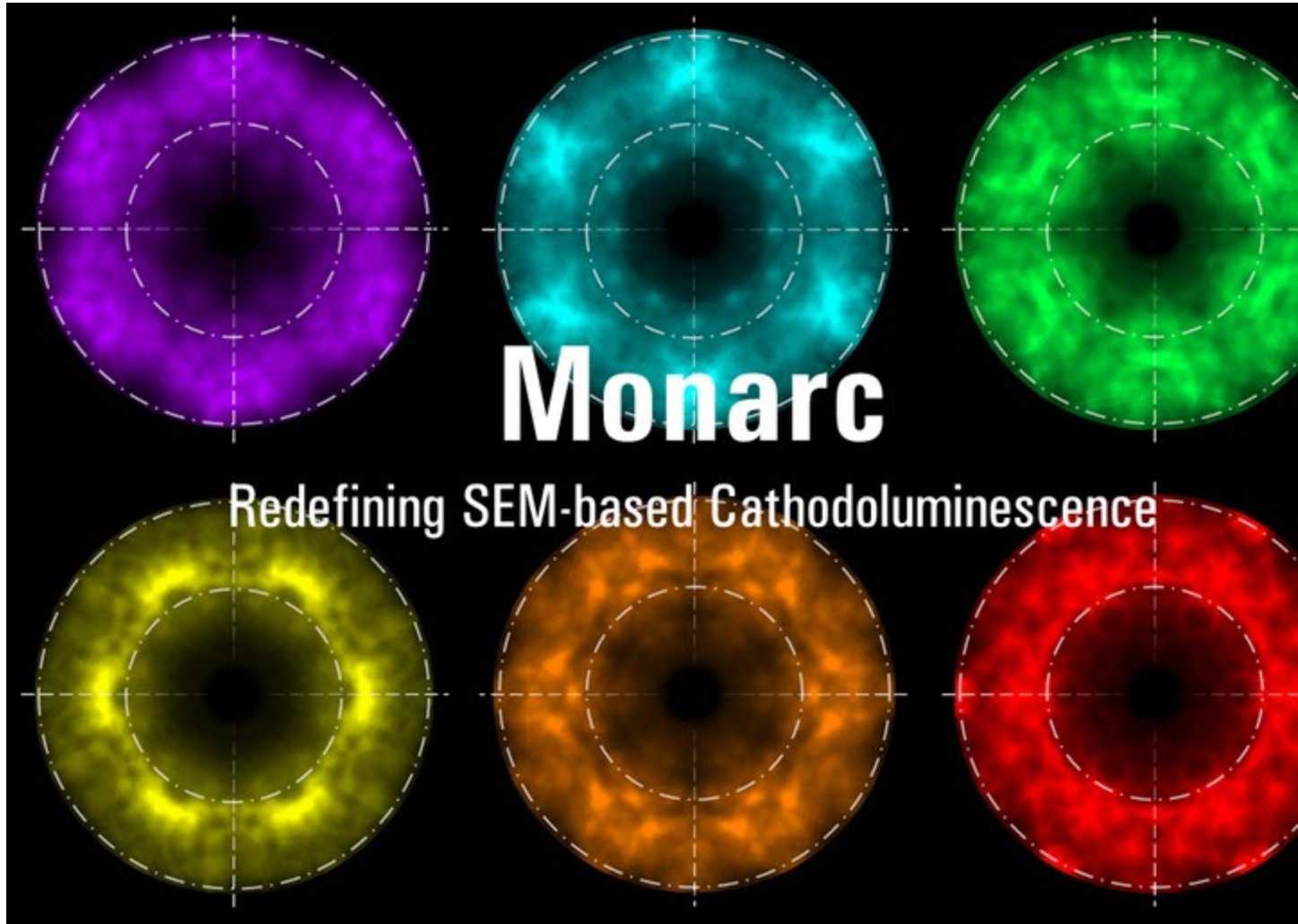


Recent advances in cathodoluminescence microscopy

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Abstract



Cathodoluminescence has been used widely to characterize a wide range of materials and devices including high power electronic and optoelectronic devices and, geological and petrographic thin sections. However, in recent years, there has been rapid developments in cathodoluminescence detector technologies which have greatly expanded a researcher's ability to characterize materials including expansion into new applications such as nanophotonics. In this talk, we will explore some of these developments, highlighting the value of improved ability to correlate nanoscale optical

information (gained from cathodoluminescence) with structural and compositional information and demonstrating the measurement of photonic band structure of nanophotonic devices.

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