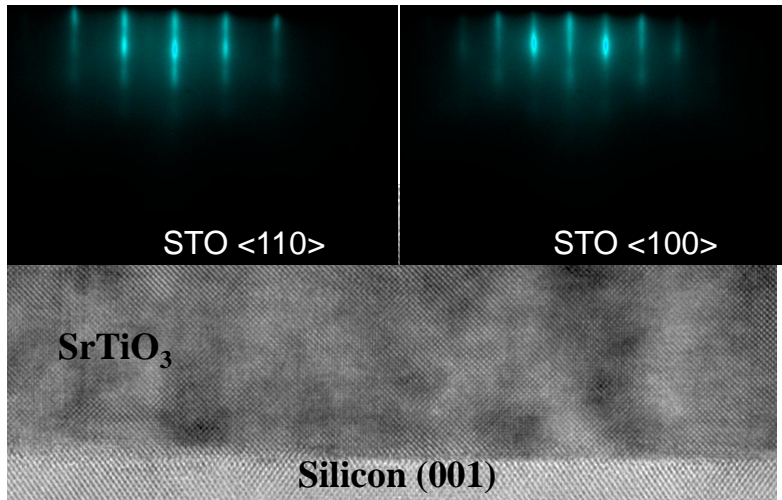


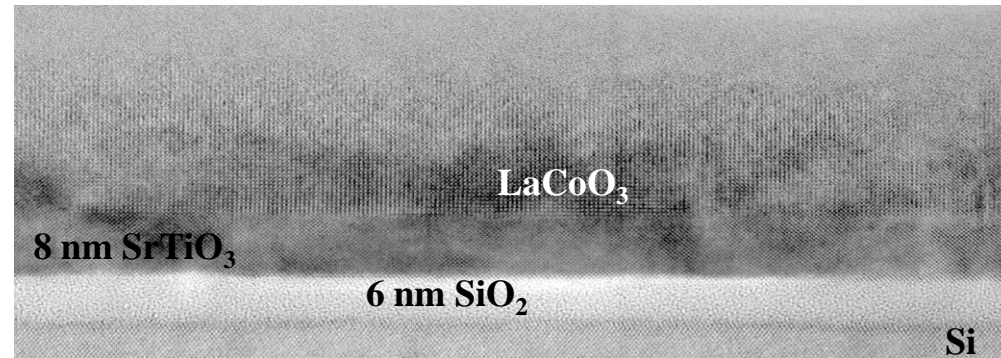
Monolithic integration of ceramics with semiconductors

Alex Demkov, The University of Texas at Austin, DMR1006725 & DMR 0548182

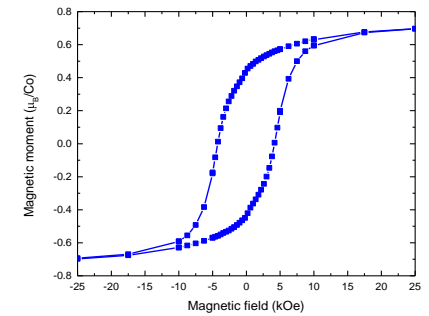
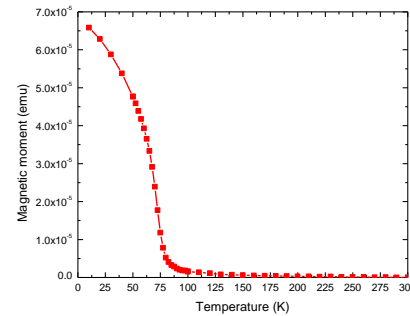
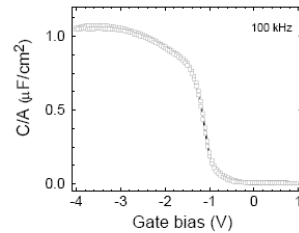
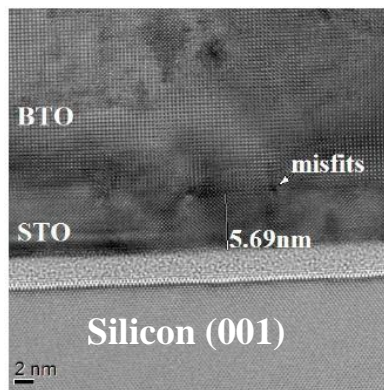
Integration platform: SrTiO₃ on Si (001)



Ferromagnets on Si (001)



Ferroelectrics on Si (001)



Photocatalyst on Si (001)

