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Sanjay Krishna is an Associate Professor of Electrical and Computer Engineering at the Center for High Technology Materials at University of New Mexico. Sanjay received his Masters in Physics from the Indian Institute of Technology, Madras in 1996, MS in Electrical Engineering in 1999 and PhD in Applied Physics in 2001 from the University of Michigan, Ann Arbor. He joined the University of New Mexico as a tenure track faculty member in 2001. His present research interests include growth, fabrication and characterization of self-assembled quantum dots and type_II InAs/InGaSb based strain layer superlattices for mid infrared detectors. Dr. Krishna received the Gold Medal from IIT, Madras in 1996. He received the best student paper award at the 16th NAMBE Conference in Banff in 1999, the 2002 Ralph E Powe Junior Faculty Award from Oak Ridge Associated Universities, the 2003 IEEE Outstanding Engineering Award, 2004 Outstanding Researcher Award from the ECE Department, the 2005 School of Engineering Junior Faculty Teaching Excellence Award, 2007 NCMR-DIA Chief Scientist Award for Excellence, 2007 NAMBE Young Investigator Award, 2008 IEEE Nanotechnology Council Early Career Award and the 2008 SPIE Early Career Achievement Award. Dr. Krishna has authored/co-authored more than 70 peer-reviewed journal articles, over 70 conference presentations, two book chapters and has two issued and six pending patents.