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A semiconductor material has an electrical conductivity value falling between that of a metal, like copper, gold, etc. and an insulator, such as glass. Materials Science in Semiconductor Processing provides a unique forum for the discussion of novel processing, applications and theoretical studies of functional materials and devices for (opto)electronics, sensors, detectors, biotechnology and green energy. Sessions and Tracks Track 1: Nanotechnology. Nanotechnology is the manipulation of matter on an atomic, molecular, and supramolecular scale and engineering of functional systems at the molecular scale. Welcome to the Laboratory of Semiconductor Materials. Our research focuses on the synthesis of novel semiconductor nanostructures and the study of their properties, aiming at two applications that will impact our society in the XXI century: quantum science and renewable energy harvesting., Semiconductor Nanostructures.

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