

JOM Call for papers

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Nobel Metal Nanocomposites and Their Applications

Metallic nanoparticles especially those made of silver and gold are an emerging class of materials that exhibit unique and sensitive phenomena called “localized surface plasmon resonance (LSPR)” that enables them to absorb and re-radiate photons when they are exposed to electromagnetic radiation. These nanoparticles appear to be ideal for a range of applications including imaging, sensing, and health care. This special topic will cover recent achievements in the design, fabrication, and application of plasmonic nanocomposites in different fields of science including material science, medicine, and industry, and it will cover their impact on global society

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:
<http://www.tms.org/AuthorTools/>

Keywords for this topic: **Advanced Materials; Characterization; Modeling and Simulation; Nanotechnology; Physical Properties; Precious Metals; Surface Modification and Coatings; Synthesis and Processing; Metallic nanoparticles; LSPR; Imaging; Sensing;**

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Committee Sponsor(s): **Composite Materials**

If you are interested in submitting a paper, upload your manuscript at
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Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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