



SEMINAR ANNOUNCEMENT

“Self-assembly and fabrication of metallic nanoparticles and their applications”

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Metal nanoparticles (NPs) have been frequently studied in relation to their peculiar properties. Their near- and far-field optical response hold great promise for nanophotonic applications such as sub-wavelength light guiding in nanoparticle chains, plasmon lasers, advanced light emitting diodes (LEDs), solar cells, chemical (bio) sensors and for medical treatment and diagnostics. Considerable attention has been paid to spherical Ag and Au NPs. The number of publications concerning these elements has increased tremendously in recent years. In this talk, I will explore a number of methodologies for preparation, assembly and fabrication of such nanoparticles. A number of recent application development will be discussed as well.

References

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