



第59回 未来化学創造センターセミナー 第114回 九州大学G-COEセミナー



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The weird world of nanoscale gold

Gold may be fabricated into a great variety of nanoscale structures. These shapes include particles, such as nanospheres, nanorods or nanoshells, as well various kinds of sponges, inverse opals or periodic 2D arrays. Furthermore, the chemical and physical properties of gold are very suitable for a large number of actual or potential applications, so the use of gold in nanotechnology has been steadily growing. Gold, in all its forms, is one of the key research themes at our research institute. In this talk I will briefly describe why we are interested in gold for nanotechnology, and I will provide an overview of several of our research projects. These include the use of gold in spectrally selective coatings for windows, the potential use of gold in medical therapies, and the fabrication of plasmonics devices based on gold nanostructures.

日時：2010年6月7日（月）16:30～17:30

場所：伊都キャンパス

ウエスト4号館314号室（物質系4番講義室）

参加費：無料

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