## ALKYLGOLD COMPLEXES AS PRECURSORS FOR LIGHT-INDUCED CHEMICAL LIQUID PHASE DEPOSITION

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The light-induced deposition of metals from organometallic precursors in solution is a promising approach for microelectronic device manufacturing. The alkylgold (I) complex, methyl(triphenylphosphine)gold, has been used to deposit gold nanoparticles on nanostructured silver substrates. The effects of using precursor batches synthesized by different routes and the postulated deposition mechanism will be discussed.