

Structure and properties of epitaxial thin films by pulsed laser deposition-beyond oxides

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In my presentation I will give an overview of recent research on the growth of epitaxial thin films using the technique pulsed laser deposition. During the last few decades, most successes have been achieved in the oxide class of materials but recently, other materials classes are being investigated, among others, nitrides, carbides, and halides. What is the motivation and what has been the progress so far?