

# Novel Applications of Chirped Pulse Control

S A MALINOVSKAYA<sup>1</sup>

<sup>1</sup>*Department of Physics, Stevens Institute of Technology, Castle Point on Hudson, Hoboken, NJ, USA.*

*Contact Phone: +12012168094*

*Contact Email: smalinov77@gmail.com*

In this talk, I will present quantum control techniques which adopt chirped laser pulses in the two-photon excitations. The control protocols aim at deterministic manipulation of quantum systems of different complexity. The target quantum states feature coherent superpositions with optimal required characteristics. Applications include high-precision spectroscopy and magnetometry.

## References

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