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Abstract for an Invited Paper
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Quantum enhancement of hot atoms-based optical sensors¹

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Atoms are one of Nature's most sensitive probes, and atom-based clocks, magnetometers and gyroscopes can reach an unprecedented accuracy. In this talk I will discuss a several applications of room-temperature atoms for precision metrology. I will also show how the sensor performance can be improved by using non-classical light, that we can also generate using atoms.

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