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## ESA gravitational wave observatory, eLISA and LISA Pathfinder

*Wednesday 9 December 2015 09:00 (35 minutes)*

The talk will likely take place during the cruise of LISA Pathfinder to its final interplanetary orbit. LISA Pathfinder is the technology precursor of the Gravitational Wave (GW) observatory that ESA intends to launch as their 3rd large size mission within the current planning.

The talk will review the status and the scientific objectives of the GW observatory, and of its reference mission eLISA, and will illustrate the instrumentation of LISA Pathfinder, its role within ESA's GW program, and the expected scientific return of its upcoming operations.

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