

• ANNA M. **NOBILI**: PAPERS PUBLISHED ON INTERNATIONAL REFEREED JOURNALS

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- ANNA M. **NOBILI**: PROPOSALS OF SPACE MISSIONS, PATENTS

1. STEP: Satellite Test of the Equivalence Principle. Submitted to ESA in 1989 as candidate for M2 medium size mission; selected for joint ESA/NASA assessment and Phase A Study. A.M. **Nobili** was member of both the assessment and the Phase A Study teams.
2. NEWTON: A Manmade Planetary System in Space to Measure the Constant of Gravity G (principal investigator: A.M. **Nobili**, Università di Pisa). Submitted to ESA in 1989 as candidate for M2 medium size mission; was rejected at the final stage of the selection procedure by one vote of the Space Science Advisory committee.
3. GRAVCON: A Proposal to Measure the Constant of Gravity G using the Man Tended Free Flyer of Space Station (principal investigator: I.W Roxburgh, QMC, London; A.M. **Nobili** was co-investigator). Submitted to ESA in 1989 as candidate for M2 medium size mission.
4. PGB-Pico Gravity Box. A Noiseless Laboratory in Space; and PGB-Pico Gravity Box. A Noiseless Laboratory in Space: Addendum. A.M. **Nobili** was the principal Submitted in 1991 for the Columbus Precursor Flights of ESA and recommended by ESA. Unfortunately, the Columbus Precursor Flights were subsequently canceled.
5. Attenuatore di vibrazioni utilizzabile su un veicolo spaziale, A.M. **Nobili**, G. Catastini, A. Di Virgilio, Italian Patent No: FI91A000235, Società Italiana Brevetti, 1991
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 9. PGB (Pico Gravity Box): Enabling Vibration Free Activity on Board the ISS. Proposal submitted to ASI in response to a Call for Proposals to realize on board of the International Space Station, December 1998. The Proposal has been accepted and funded by ASI for a feasibility study which was completed in the year 2000. (A.M. **Nobili** as PI)
 10. GALILEO GALILEI (GG): A Small satellite to test the Equivalence Principle of Galileo, Newton and Einstein, Proposal submitted to ESA for the F2/F3 competition, January 2000 (A.M. **Nobili** as PI of a scientific team including 42 scientists from 9 different countries)
 11. GALILEO GALILEI (GG): Una Piccola Missione di Fisica Fondamentale, Geodesia Spaziale, Aeronomia e Tecnologie Avanzate di Compensazione del Drag, submitted in response to ASI Call for Ideas, March 2000 (A.M. **Nobili** as PI)