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CV	**Education:** December 2012. Astronomy PhD, “Sapienza” University of Rome “Sapienza”: ON BOARD MOMENTS COMPUTATION FOR SOLAR ORBITER SWA PLASMA SUITE. From January 2011. I am in charge of the devoloping, testing, and reliability of the SWA DPU on-board software in the SOLAR ORBITER SWA framework for AMDL Space Srl. From December 2009. I am in charge of the devoloping, testing, and reliability of the on-board software in the SERENA comunication framework for AMDL Space Srl. 3 June - 1 July 2009. I worked at Leiden University under the supervision of prof. Simon Portgies Zwart on the parallelization and developing of the NBSymple code. NBSymple is a “hybrid” (double-parallel) code for integrating an N-body system using CUDA and OpenMP library. Mainly, I have: i) allowed the code described above and working on a single GPU to run on multi-GPUs platform. ii) implemented and tested a software representation of double precision in the code. Sept. 2006- 26 Feb. 2009. Master Degree in Astronomy and Astrophysics at the University of Roma Sapienza. Grading: 110/110. Thesis’ title: “Regularization of close interactions in a tree-code for N-body simulations”. Supervisor: Prof. Roberto Capuzzo-Dolcetta. Sept. 2001- 24 Feb. 2006. Degree in Physics and Astrophysics at the University of Rome ”La Sapienza”. Grading: 102/110. Thesis’ title: “Regularization of the few body gravitational problem”. Supervisor: Prof. Roberto Capuzzo-Dolcetta. **Most relevant publications** **NBSymple, a double parallel, symplectic N-body code running on graphic processing units** R. Capuzzo-Dolcetta A. Mastrobuono-Battisti, D. Maschietti New Astronomy Volume 16, Issue 4, July 2011, Pages 284–295 **The BepiColombo Serena/ELENA instrument: performances and testing** Orsini, Stefano; De Angelis, Elisabetta; Selci, Stefano; Di Lellis, Andrea; Leoni, Roberto; Rispoli, Rosanna; Colasanti, Luca; Vertolli, Nello; Mura, Alessandro; Milillo, Anna; D'Alessandro, Marco; Mattioli, Francesco; **Maschietti, Dario**; Brienza, Daniele; Scheer, Juergen; Wurz, Peter EGU General Assembly 2013, held 7-12 April, 2013 in Vienna, Austria, id. EGU2013-11494

	BepiColombo Serena/ELENA instrument:development and testing Orsini, S.; De Angelis, E.; Selci, S.; Di Lellis, A. M.:; Leoni, R.; Rispoli, R.; Colasanti, L.; Vertolli, N.; Scheer, J.; Mura, A.; Milillo, A.; Wurz, P.; D'Alessandro, M.; **Maschietti, D**.; Mattioli, F.; Cibella, S.; Brienza, D.; lo Spazio, Compagnia Generale per EGU General Assembly 2012, held 22-27 April, 2012 in Vienna, Austria., p.13702 **Courses** 27 June – 5 July 2008. I attended the "2nd Course: FRONTIERS IN NUMERICAL GRAVITATIONAL ASTROPHYSICS" (International school on Astrophysical Relativity) in Erice (Sicily). April 18-22 2011 Frontiers of Space Science: from Solar Activity to NEOs International School of Space Science L'Aquila 31 Jan to 02 Feb 2012 Ottimizzazione di codici scientifico-tecnici - CASPUR Roma