

DAVIDE LASI
davide.lasi@sdm.mit.edu

EDUCATION

Massachusetts Institute of Technology Cambridge, MA
School of Engineering & Sloan School of Management
M.S., System Design and Management 08/2016 - present

University of Milano Milano, Italy
Department of Chemistry
M.Sc., Physical-Chemistry, graduated with honors 09/2004 - 07/2006

- Thesis: developed new methods in the field of the Quantum Theory of Atoms in Molecules.

B.Sc., Chemistry, graduated with honors 09/2001 - 10/2004

- Thesis: built and tested a Mössbauer Spectrometer at the National Institute of Nuclear Physics.

EXPERIENCE

University of Bern, Space Research & Planetary Sciences (Physics Institute) Bern, Switzerland
Provider of scientific instrumentation for space exploration missions of ESA, NASA, and Roscosmos.

Project Manager 05/2011 - present

- Lead two teams of 8 and 9 engineers (mechanics, electronics, and software), thermal and structural modelers, and scientists for the design and development of three leading-edge mass spectrometers for space missions.
- Negotiate and supervise industry contracts for the development of software and hardware.
- Chair meetings and design reviews with contractors. Draft and implement new agile-contract models.
- Represent the projects at the European Space Agency (ESTEC Headquarters) and at the Space Research Institute of the Russian Academy of Sciences (IKI) on occasion of major design reviews and project meetings.
- Plan and execute radiation tests of detectors and materials at electron and proton irradiation facilities.

Cerbios-Pharma SA Lugano, Switzerland
Pharmaceutical company manufacturing both chemical and biological APIs and HPAs.
Material Manager (50%) & Project Manager (50%) 05/2008 - 04/2011

- Procured advanced pharmaceutical intermediates from China and India; drafted new model of supply agreement; negotiated supply contracts and attended trade fairs and suppliers' site visits in Europe and China.
- Collected and analyzed requirements to define optimizations of the company ERP (Oracle E-Business Suite) for the optimal and GMP compliant handling of materials and their specifications through their complete lifecycle.

Dipharma Francis Srl Milano, Italy
Generic active pharmaceutical ingredients manufacturer with a strong portfolio of more than 150 patents.
Assistant to the Head of Intellectual Property 04/2007 - 04/2008

- Drafted, filed, and prosecuted patent applications in Europe, USA, Japan, India, China, Israel, and Canada.

PROFESSIONAL DEVELOPMENT

Scrum Alliance® London, United Kingdom
Certified Scrum Product Owner (with Mike Cohn), employer sponsored. 03/2015

Stanford Centre for Professional Development Stanford, CA
Stanford Advanced Project Management Certificate, employer sponsored. 03/2013 - 09/2013

SELECTED PUBLICATIONS

- **D. Lasi**, M. Tulej, S. Meyer, M. Lüthi, A. Galli, D. Piazza, P. Wurz, D. Reggiani, H. Xiao, R. Marcinkowski, W. Hajdas, A. Cervelli, S. Karlsson, T. Knight, M. Grande, and S. Barabash, *Shielding an MCP detector for a space-borne mass spectrometer against the harsh radiation environment in Jupiter's Magnetosphere*, IEEE Trans. Nucl. Sc. 99 (2016).
- P. Wurz, **D. Lasi**, N. Thomas, D. Piazza, A. Galli, M. Jutzi, S. Barabash, M. Wieser, W. Magnes, H. Lammer, U. Auster, L. Gurvits, and W. Hajdas, *An Impacting Descent Probe for Europa and the other Galilean Moons of Jupiter*, Earth, Moon, and Planets (2017) submitted.
- C. Gatti, **D. Lasi**, *Source function description of metal-metal bonding in d-block organometallic compounds*; Faraday Discussions; 135:55-78; discussion 125-49, 503-6 (2007).

SPORTS & HOBBIES

Sailing regattas, surfing, windsurfing, scuba diving, ski, 4x4 road trips, chess, contemporary photography, playing piano.