

Curriculum vitae di Aldo Amodeo

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Aldo Amodeo è ricercatore presso l'Istituto di Metodologie per l'Analisi Ambientale del Consiglio Nazionale delle Ricerche, CNR-IMAA) e presso l'Osservatorio atmosferico CIAO del CNR-IMAA.

Aldo Amodeo ha oltre 26 anni di esperienza di ricerca nel campo degli studi atmosferici sia dal punto di vista sperimentale che da quello dell'analisi dei dati, contribuendo alla progettazione e allo sviluppo di sistemi lidar e all'implementazione di algoritmo di analisi per i dati lidar e per la sinergia con i dati misurati con altri strumenti come fotometro solare, radiometri a microonde e radiosonde. Aldo Amodeo PI di EARLINET (European Aerosol Research Lidar Network) per la stazione lidar di Potenza che opera presso CIAO, è responsabile del sistema di riferimento lidar Raman multi-wavelength trasportabile di Potenza nell'ambito della rete ACTRIS (l'infrastruttura di ricerca europea per l'osservazione di aerosol, nubi e gas in traccia) ed è responsabile del nodo italiano del Lidar Calibration Center (LICAL) per ACTRIS. Ha partecipato a numerosi progetti internazionali e nazionali, a programmi di CAL/VAL e ha partecipato o coordinato campagne di misura internazionali. È autore o coautore di oltre 40 articoli nella letteratura peer-reviewed.

H-index: 18 (ISI Web Of Science); 20 (Scopus); 22 (Google Scholar).

Citazioni: 1361 (ISI Web Of Science); 1585 (Scopus); 2219 (Google Scholar).

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PARTECIPAZIONE A PROGETTI DI RICERCA INTERNAZIONALI E NAZIONALI

- PER-ACTRIS-IT (Potenziamento della componente italiana della Infrastruttura di Ricerca Aerosol, Clouds and Trace Gases Research Infrastructure PER-ACTRIS-IT), progetto infrastrutturale finanziato nell'ambito del Programma PON 2014-2020, Piano di Potenziamento delle Infrastrutture di Ricerca del MIUR (19/06/2019 – 18/02/2022).
- ACTRIS PPP - Aerosols, Clouds and Trace Gases Research Infrastructure Preparatory Phase Project (INFRADEV-2), (Horizon-2020), contract n. 739530, 01/01/2017 - 31/12/2019.
- East European Centre for Atmospheric Remote Sensing — ECARS Proposal Number: 692014 (Horizon-2020), 01/01/2016 - 31/12/2018.
- ACTRIS-2 (Aerosol, Clouds, and Trace gases Research Infrastructure), (Horizon-2020), 01/05/2015 – 30/04/2019, contract n. 654109, **Responsabile del nodo italiano del Lidar Calibration Center (LICAL) – (WP6 Lidar Calibration Center).**
- ENVRI PLUS (Environmental Research Infrastructures Providing Shared Solutions for Science and Society), (Horizon-2020), contract n. 654182, 01/05/2015 – 01/05/2019.

- SMART BASILICATA, MIUR Ricerca Industriale e Sviluppo competitivo, contract n. 6386 Series 3 of 20 July 2016, 30/11/2012 - 30/05/2017.
- Aerosols, Clouds, and Trace gases Research InfraStructure (ACTRIS), CO-ORDINATION ACTION EC (FP7), contract n. 262254, 01/04/2011 - 31/03/2015
- GAIA-CLIM (Gap Analysis for Integrated Atmospheric ECV CLimate Monitoring), H2020-EO-2014, contract n. 640276, 01/03/2015 – 29/02/2018.
- OSCAR (Observation System for Climate Application at Regional scale), Operative Programme FESR Basilicata 2007 – 2013, Delibera Regionale: DGR 425 del 30-04-2013, 30/04/2013 – 31/03/2015.
- ITaRS (Initial Training for atmospheric Remote Sensing), FP7-PEOPLE-2011-ITN (Marie Curie Actions), **Principal Investigator e leader del sub-board "Network Training"**, Grant Agreement n. 28992301/04/2012 – 31/03/2016. Durante il progetto, ha seguito anche uno studente di PhD ed un Experienced Researcher.
- EARLINETASOS (European Aerosol Research Lidar network Advanced Sustainable Observation System), CO-ORDINATION ACTION EC (FP6), **Leader della Network Activity "Optimization of data processing" e del Task "Implementation of a single chain data processing procedure for the automatic retrieval of aerosol properties"**, Contract RICA-025991, 01/03/2006-28/02/2011.
- GEOMON (Global Earth Observation and Monitoring), EC Integrated Project (FP6), 01/02/2007- 30/04/2011.
- Advanced Lidar Technologies for Tropospheric Aerosol Studies, Bilateral Cooperation between CNR-IMAA and Bulgarian Academy of Sciences (BAS), 01/01/2007-31/12/2009.
- Potenziamento dell'ARM (Atmospheric Radiation Measurements SITE), Programme PON 2000-2006 Misura II.1, MIUR, 11/02/2003 - 03/11/2005.
- TERN "Technologies for Earth observation and Natural Risks", MUR, 12/09/2002 - 11/09/2005
- Ground based observations of water vapour and aerosol for the validation of ENVISAT products, ESA/ESTEC 16040/02/NL/SF contract, 01/05/2002 - 30/04/2003
- Sviluppo dei distretti industriali per le Osservazioni della terra, Programme PON 2000-2006, MIUR, 01/01/2000 - 31/12/2003.
- EARLINET (European Aerosol Research Lidar Network), EC V FP, contract n. EVR1-CT1999-40003, 01/02/2000 - 28/02/2003
- Tecniche ottiche innovative per il monitoraggio ambientale e piani di tutela e risanamento, Progetto Sud INFM, 1996-1998.

PARTECIPAZIONE A CAMPAGNE DI MISURA INTERNAZIONALI

- THELI16 (Thessaloniki Lidar Intercomparison 2018), Thessaloniki (Greece), 17-27/09/2018, **Coordinatore della campagna.**
- ISPLI18 (Ispra Lidar Intercomparison 2018), Ispra-JRC (Italy), 16-27/07/2018, **Coordinatore della campagna.**
- INTERACT-II (INTERcomparison of Aerosol and Cloud Tracking), 01/04/2016-31/01/2017.
- ATHLI16 (Athens Lidar Intercomparison 2016), Athens (Greece), 25/09/2016-08/10/2016, **Coordinatore della campagna.**
- INTERACT (INTERcomparison of Aerosol and Cloud Tracking), 01/07/2014-10/01/2015.
- LELI13 (LEcce Lidar Intercomparison 2013), Lecce (Italy), 21/10/2013-25/11/2013, **Coordinatore della campagna.**
- NALI13 (NAPles Lidar Intercomparison 2013), Napoli (Italy), 14/10/2013-18/11/2013, **Coordinatore della campagna.**
- ACTRIS Summer 2012 campaign, 08/06/2012-17/07/2012.
- SPALI10 (SPANish Lidar Intercomparison 2010), Madrid (Spain), 18/10/2010-05/11/2010, **Coordinatore della campagna.**
- EARLI09 (EARlinet Reference Lidar Intercomparison 2009), Leipzig (Germany), 01/05/2009 - 30/05/2009.
- SAMUM (SAharan Mineral dUst experiMent), 01/05/2006-01/07/2006.
- EAQUATE (European AQUA Thermodynamic Experiment), 05/09/2004 -10/09/2004.
- ICARTT (International Consortium for Atmospheric Research on Transport and Transformation), 01/07/2004 - 30/09/2004.

PUBBLICAZIONI

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R. Barragan, M. Sicard, J. Totems, J. F. Léon, F. Dulac, M. Mallet, J. Pelon, L. Alados-Arboledas, A. Amodeo, P. Augustin, A. Boselli, J. A. Bravo-Aranda, P. Burlizzi, P. Chazette, A. Comerón, G. D'Amico, P. Dubuisson, M. J. Granados-Muñoz, G. Leto, J. L. Guerrero-Rascado, F. Madonna, L. Mona, C. Muñoz-Porcar, G. Pappalardo, M. R. Perrone, V. Pont, F. Rocadenbosch, A. Rodriguez-Gomez, S. Scollo, N. Spinelli, G. Titos, X. Wang, R. Zanmar Sanchez, *Spatio-*

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M. Sicard, R. Barragan, C. Muñoz-Porcar, A. Comerón, M. Mallet, F. Dulac, J. Pelon, L. Alados Arboledas, A. Amodeo, A. Boselli, J. A. Bravo-Aranda, G. D'amico, M. J. Granados Muñoz, G. Leto, J. L. Guerrero Rascado, F. Madonna, L. Mona, G. Pappalardo, M. R. Perrone, P. Burlizzi, F. Rocadenbosch, A. Rodríguez-Gómez, S. Scollo, N. Spinelli, G. Titos, X. Wang & R. Zanmar Sanchez, Contribution of EARLINET/ACTRIS to the summer 2013 Special Observing Period of the ChArMEx project: monitoring of a Saharan dust event over the western and central Mediterranean, *International Journal of Remote Sensing*, 37:19, 4698-4711, DOI: 10.1080/01431161.2016.1222102, 2016.

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J. A. Bravo-Aranda, L. Belegante, V. Freudenthaler, A. Alados-Arboledas, D. Nicolae, M. J. Granados-Muñoz, J. L. Guerrero-Rascado, A. Amodeo, G. D'Amico, R. Engelmann, G. Pappalardo, P. Kokkalis, R. Mamouri, A. Papayannis, F. Navas-Guzmán, F. J. Olmo, U. Wandinger, and M. Haeffelin, Assessment of lidar depolarization uncertainty by means of a polarimetric lidar simulator, *Atmos. Meas. Tech.*, 9, 4935-4953, doi:10.5194/amt-9-4935-2016, 2016.

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G. Pappalardo, A. Amodeo, A. Apituley, A. Comeron, V. Freudenthaler, H. Linné, A. Ansmann, J. Bösenberg, G. D'Amico, I. Mattis, L. Mona, U. Wandinger, V. Amiridis, L. Alados-Arboledas, D. Nicolae, and M. Wiegner, EARLINET: towards an advanced sustainable European aerosol lidar network, *Atmos. Meas. Tech.*, 7, 2389–2409, www.atmos-meas-tech.net/7/2389/2014/, doi:10.5194/amt-7-2389-2014, (2014).

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