Simone **Lolli**
Atmospheric Senior Scientist, Assistant Professor, Ph.D.

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Simone Lolli is a permanent senior scientist for the Italian National Research Council (CNR) and scientific Co-PI of the NASA MPLNET Lidar Network. He is also graduate program faculty associate member of the University of Maryland Baltimore County (UMBC) and aggregate professor (Cultore della materia) at University of Florence, Engineering Department on Remote Sensing Techniques for Image processing (DINFO).

In the last ten years, Simone developed significant experience in the applied research, especially in atmospheric remote sensing, both from space and from ground, to study aerosol and cloud optical, geometrical and micro-physical properties, together with their interaction with climate, meteorology, air quality and earth energy budget. He also participated in several field campaigns in South-East Asia in the frame 7-SEAS NASA mission.

Simone holds a Ph.D. degree in Physics from the Ecole Polytechnique, Palaiseau, France and an M.Sc. degree in Physics from the University of Florence, Italy. He has lived in four countries and speaks Italian, English, French, German, Italian, Portuguese and Spanish. His colleagues describe him as detail-focused, organized, and goal-oriented

Experience

Senior Research Scientist, CNR-IMAA Id:17347 (permanent position), Tito Scalo (PZ), Italy   2017−
Research on aerosol and cloud direct radiative effects on the Earth radiation budget and climate by ground-based and satellite remote sensing techniques in the frame of ACTRIS program. Permanent member of the NASA MPLNET Lidar network Science Team.

Assistant Research Scientist, NASA Goddard Space Flight Center, Greenbelt, MD, USA   2012−2017
Scientific Co-PI of the NASA GSFC MPLNET.
Accomplishments:

- Development of an algorithm to evaluate cirrus clouds and aerosol layers direct radiative effects on Earth radiation budget obtained from lidar measurements. The Fu-Liou-Gu radiative transfer model has been adapted to accept as input the vertically-resolved lidar extinction atmospheric profiles. This accomplishment brought to formulate the hypothesis of the existence of a southern-northern gradient in cirrus cloud net forcing during summer.
- MPLNET scientific point of contact in the frame of 7-SEAS NASA mission . The main objective is to act as an interface between the MPLNET network and the local universities and research institutes for lidar data analysis to assess principal aerosol sources and transport in the region.
- Responsible of the research project between MPLNET and ECMWF to assimilate lidar extinction data profiles into MACC-II aerosol dispersion model to improve forecast predictions. A test has been realized to assimilate in quasi near real-time data from 5 permanent MPLNET observation stations.
- Field work and installation of lidar instruments in the frame of 7-SEAS mission Analysis on lidar and satellite data to identify principal biomass burning emission sources and transport in South East Asia region.
- Development of a MPLNET parallel algorithm, under MATLAB, to retrieve aerosol layer optical and microphysical properties at both wavelengths (UV-VIS). The algorithm closures over sun photometer columnar AOD measurement when available. A standalone version is released under MATLAB and is available to the scientific community.
- Visiting professor at Universiti Sans Malaysia in Penang and Silpakorn University, Thailand to training our research partners in atmospheric physics and lidar data analysis (Nov. 2013-Aug. 2015 Penang, Jan. 2016 Silpakorn). Co-supervisor of two Ph.D candidates.
- PI (submitted) of NASA ROSES 2015 A.33 Cloudsat and CALIPSO science team recompete (NNH15ZDA001N-CCST)
- Invited talk at 7-SEAS NASA International meeting, Kuala Lumpur, Malaysia (email 13 July 2016).

Research Atmospheric Scientist, LEOSPHERE, Paris, France   2007-2011

Expert on technology transfer to develop prototypes of Doppler wind lidar and elastic lidar for atmospheric studies.

Accomplishments:

- Promoting lidar technology for atmospheric observations worldwide through demonstrations and measurement campaigns, both with Doppler wind lidars and UV elastic lidars, with consequent data analysis.
- Project Manager of Level 1.5-standalone algorithm to retrieve optical and microphysical properties of the aerosols currently implemented in Leosphere embedded instrument R-Man software. Managed team of 5 people. Reporting structure: 6 direct reports, 11 indirect reports.
- Project Manager of Leonet. Development of a federated network of Leosphere UV elastic lidars. Decision-makers used Leonet data during Eyjafjallajokull volcano eruption crisis to assess ash plumes presence in the atmosphere. Managed team of 3 people. Reporting structure: 4 direct reports, 9 indirect reports.
- Active member of COST0702 action (2008-2012), with the main objective of collecting European Ground-Based Observations of Essential Variables for Climate and Operational Meteorology (EG-CLIMET).

Acquired managerial experience to run projects with limited resources.

Research Scientist, Università degli Studi di Firenze, Florence, Italy   2005-2007
Development of a standalone algorithm that simulates through a Monte Carlo technique the effects of polarization on multiple scattering by ellipsoids and cylindrical particles

Research Scientist, Università degli Studi di Ferrara, Ferrara, Italy   2003-2005
Theoretical studies on performances of a satellite-based direct detection Doppler wind lidar. A standalone simulation program named ATLID is available to simulate lidar precision on wind speed measurement on different atmospheric conditions and in presence of multiple scattering.

Research Scientist, Italian National Research Council-INO, Florence, Italy   2002-2003
Study on high power lasers (CO2)

Research Scientist, Centro di Eccellenza Optronica (CEO),Florence, Italy   2000-2002
Responsible in the frame of ADM/AEOLUS (European Space Agency ADM Mission) of the Double Edge Doppler Wind Lidar end-to-end performance model

PhD Candidate, Université de Genève, Geneva, Switzerland   1998-2000
Ph.D candidate on: Research and development of a Doppler Wind Lidar for atmospheric remote sensing in the frame of the European Space Agency (ESA) ADM/Aeolus

Projects

GDRI-Sud in South East Asia (SOOT-SEA), PI for black carbon detection and retrieval by lidar   2018–
measurements in SEA region

CRCS NASA, CO-Investigator   2017–
Evaluating model reanalysis of Arctic aerosol surface and atmospheric forcing by assimilating OMI over ice

Eunadics, Data Integration and Assimilation for Work Package 4   2017–
Integrating ground-based measurement into early alert system model for ash surveillance

7-SEAS, Scientific CO-PI for NASA MPLNET Lidar Network   2012–
Point of contact between local universities and research institution in South East Asia (Singapore, Thailand, Malaysia, Taiwan, Laos, Vietnam)

NASA MPLNET, Scientific Committee member   2012–
MPLNET Science Ambassador outside USA

MDE Offshore Wind Energy, CO-Investigator   2012–2013
Funded by Maryland Department of Energy.
Measurements of Terrestrial and Offshore Wind Resource over Maryland for Strategic Planning and Development of Offshore Wind Energy Projects

Teaching

Professor, Experimental Physics II, PHYS276   Fall 2018
University of Maryland (UMD) Physics in Florence program at International Studies Institute, Florence, Italy
Assistant Professor (Cultore della Materia), Elaborazione dei dati nei sistemi di   2017–
Telerilevamento
DINFO, Università degli Studi di Firenze, Florence, Italy

Assistant Professor, Computational Physics — Spring 2016
Master/Graduate course, PHYS 440/640, UMBC, Baltimore, USA

Trainer, New MPLNET version 3 website — Fall 2016
Graduate School, Silpakorn University, Nakhon Pathon, Thailand

Trainer, Lidar training for atmospheric science research — Spring 2015
Graduate Doctoral Program, Universiti Sains Malaysia, Penang, Malaysia

Management

Committee Member, NASA Aerocenter — 2017

Graduate Faculty Associate Member, UMBC — 2016–

Program Committee, ISTP9, Delft, NL — 2012

Organization

Invited talks: EGU 2019 meeting 7-SEAS Malaysia 2016 VIET GEOPHYS 2017

Expert Commentary for OSA Spotlight: September 2018 and November 2016

Guest Editor: Special Issue on Remote Sensing

Reviewer: JTECH, ACP, AMT,IEEE Geoscience and Remote Sensing, AAQR, Air Waste and Management, MIUR Italian VQR 2011-2014 Evaluator, Italian PRIN 2015 Evaluator.

Education

Philosophiae Doctor (Ph.D.), Dep. of Physics,Ecole Polytechnique, Palaiseau, France — 2011
Subject of the dissertation: Development of a direct detection Doppler wind Lidar in the frame of ADM/AEOLUS project and VALID intercomparison campaign. Director: Prof. Pierre H. Flamant. Opponents: Prof. Adolfo Comeron and Dr. Jaques Pelon.

Master of Science (M.Sc.), Dep. of Physics,Università degli Studi di Firenze, Florence, Italy — 1996
Subject of dissertation: Validation of Microwave Scattering Emission Model from Bare Soil realized at Joint Research Center , Ispra, Italy

Professional Societies

American Geophysical Union, Fellow — 2008–
European Geophysical Union, Fellow — 2008–

Supervision

Wey Ying Khor, PhD student in Physics, Univ. Sains Malaysia, Penang — 2017

Computer skills

Software engineering: MATLAB, IDL, Phyton
Desktop publishing: LaTeX, BibTeX, Microsoft Office

Languages

Mother tongue **Italian**

Other languages[1]

	Understanding		Speaking		Writing
	Listening	Reading	Interaction	Production	
English	C2 Fluent	C2 Fluent	C2 Fluent	C2 Fluent	C2 Fluent
French	C2 Fluent	C2 Fluent	C2 Fluent	C2 Fluent	C2 Fluent
German	B1 Independent	A1 Basic	B1 Independent	B1 Independent	B1 Independent
Spanish	C1 Fluent	C1 Fluent	C1 Fluent	C2 Fluent	B1 Independent
Portuguese	C1 Fluent	C1 Fluent	B2 Independent	C2 Fluent	B1 Independent
Romanian	A1 Basic	A1 Basic	A1 Basic	A1 Basic	A1 Basic

Awards

NASA JPL press release on publication SEUSA Paper — Aug, 2017
NRL Alan Berman Research Publication Award, Washington DC, USA — March, 2017
UMBC press news spotlight Cirrus clouds net radiative effects, Baltimore, USA — March, 2017
Thomson Reuter Highly Cited Researcher Award, USA — Nov, 2016

Publications

Peer-reviewed journals

[1] Evaluation of Terra-MODIS C6 and C6.1 Aerosol Products against Beijing, XiangHe, and Xinglong AERONET Sites in China during 2004-2014
M. Bilal, M. Nazeer, J. Nichol, Z. Qiu, L. Wang, M. P. Bleiweiss, X. Shen, J. R. Campbell, S. Lolli
Remote Sensing 11.5 (2019) p. 486. 2019. DOI: https://doi.org/10.3390/rs11050486

[2] Quantifying the direct radiative effect of absorbing aerosols for numerical weather prediction: a case study
M. I. Oyola, J. R. Campbell, P. Xian, A. Bucholtz, R. A. Ferrare, S. P. Burton, O. Kalashnikova, B. C. Ruston, S. Lolli
Atmospheric Chemistry and Physics 19.1 (2019) pp. 205–218. 2019. DOI: 10.5194/acp-19-205-2019

[3] Multispectral Pansharpening with Radiative Transfer-Based Detail-Injection Modeling for Preserving Changes in Vegetation Cover
A. Garzelli, B. Aiazzi, L. Alparone, S. Lolli, G. Vivone
Remote Sensing 10.8 (2018). 2018

[4] Vertically Resolved Precipitation Intensity Retrieved through a Synergy between the Ground-Based NASA MPLNET Lidar Network Measurements, Surface Disdrometer Datasets and an Analytical Model Solution
S. Lolli, L.P. D'Adderio, J.R. Campbell, M. Sicard, E.J. Welton, A. Binci, A. Rea, A. Tokay, A. Comerón, R. Barragan J. M Baldasano, S. Gonzalez, J .Bech, N. Afflitto, J.R. Lewis, F. Madonna
Remote Sensing 10.7 (2018). 2018. DOI: 10.3390/rs10071102

[5] Intercomparison of aerosol measurements performed with multi-wavelength Raman lidars, automatic lidars and ceilometers in the framework of INTERACT-II campaign
F. Madonna, M. Rosoldi, S. Lolli, F. Amato, J. Vande Hey, R. Dhillon, Y. Zheng, M. Brettle, G. Pappalardo
Atmospheric Measurement Techniques 11.4 (2018) pp. 2459–2475. 2018. DOI: 10.5194/amt-11-2459-2018

[6] Impact of varying lidar measurement and data processing techniques in evaluating cirrus cloud and aerosol direct radiative effects
S. Lolli, F. Madonna, M. Rosoldi, J.R. Campbell E.J. Welton, J.R. Lewis, Y. Gu, G. Pappalardo
Atmospheric Measurement Techniques 11.3 (2018) pp. 1639–1651. 2018. DOI: 10.5194/amt-11-1639-2018

[7] Unusually Deep Wintertime Cirrus Clouds Observed over the Alaskan Subarctic
J.R. Campbell, D.A. Peterson, J.W. Marquis, G.J. Fochesatto, M. A. Vaughan, S. A. Stewart, J.L. Tackett, S. Lolli, J.R. Lewis, M.I. Oyola, E.J. Welton
Bulletin of the American Meteorological Society 99.1 (2018) pp. 27–32. 2018. DOI: 10.1175/BAMS-D-17-0084.1

[8] Haze Correction for Contrast-Based Multispectral Pansharpening
S. Lolli, L. Alparone, A. Garzelli, G. Vivone
IEEE Geoscience and Remote Sensing Letters 14.12 (2017) pp. 2255–2259. IEEE, 2017

[9] Attributing Accelerated Summertime Warming in the Southeast United States to Recent Reductions in Aerosol Burden: Indications from Vertically-Resolved Observations
M.G. Tosca, J.R Campbell, M. Garay, S. Lolli, F.C. Seidel, J.W. Marquis, O. Kalashnikova
Remote Sensing 9.7 (2017) p. 674. Multidisciplinary Digital Publishing Institute, 2017

[10] Fu–Liou–Gu and Corti–Peter model performance evaluation for radiative retrievals from cirrus clouds
S. Lolli, J.R. Campbell, J.R. Lewis, Y. Gu, E.J. Welton
Atmospheric Chemistry and Physics 17.11 (2017) pp. 7025–7034. Copernicus GmbH, 2017

[11] Rain Evaporation Rate Estimates from Dual-Wavelength Lidar Measurements and Intercomparison against a Model Analytical Solution
S. Lolli, P. Di Girolamo, B. Demoz, X. Li, E.J. Welton
Journal of Atmospheric and Oceanic Technology 34.4 (2017) pp. 829–839. 2017

[12] Daytime Top-of-the-Atmosphere Cirrus Cloud Radiative Forcing Properties at Singapore
S. Lolli, J.R. Campbell, J.R. Lewis, Y. Gu, J.W. Marquis, B.N. Chew, S.C. Liew, S.V. Salinas, E.J. Welton
Journal of Applied Meteorology and Climatology 56.5 (2017) pp. 1249–1257. 2017

[13] Aerosol meteorology of Maritime Continent for the 2012 7-SEAS southwest monsoon intensive study–Part 2: Philippine receptor observations of fine-scale aerosol behavior
J.S. Reid, N.D. Lagrosas, H. Jonsson, E.A. Reid, S.A. Atwood, T.J. Boyd, V.P. Ghate, P. Xian, D.J. Posselt, J. B. Simpas
Atmospheric Chemistry and Physics 16.22 (2016) pp. 14057–14078. 2016

[14] Vertical profiling of aerosol types observed across monsoon seasons with a Raman lidar in Penang Island, Malaysia
W.S. Hee, H.S. Lim, M.Z. Matjafri, S. Lolli, W.Y. Khor

Aerosol Air Qual. Res 16 (2016) pp. 2843–2854. 2016

[15]   Cirrus cloud radiative characteristics from continuous MPLNET profiling at GSFC in 2012
S. Lolli, J.R. Lewis, J.R. Campbell, Y. Gu, E.J. Welton
Óptica pura y aplicada 49 (2016) pp. 1–6. 2016

[16]   Daytime cirrus cloud top-of-the-atmosphere radiative forcing properties at a midlatitude site and their global consequences
J.R. Campbell, S. Lolli, J.R. Lewis, Y. Gu, E.J. Welton
Journal of Applied Meteorology and Climatology 55.8 (2016) pp. 1667–1679. 2016

[17]   Assessment of aerosol optical property and radiative effect for the layer decoupling cases over the northern South China Sea during the 7-SEAS/Dongsha Experiment
S.K. Pani, S.H. Wang, N.H. Lin, S.C. Tsay, S. Lolli, M.T. Chuang, C.T. Lee, S. Chantara, J.Y Yu
Journal of Geophysical Research: Atmospheres 121.9 (2016) pp. 4894–4906. 2016

[18]   Applying advanced ground-based remote sensing in the Southeast Asian Maritime Continent to characterize regional proficiencies in smoke transport modeling
J.R. Campbell, C. Ge, J. Wang, E.J. Welton, A. Bucholtz, E.J. Hyer, E.A. Reid, B.N. Chew, S.C. Liew, S.V. Salinas
Journal of Applied Meteorology and Climatology 55.1 (2016) pp. 3–22. 2016

[19]   Principal component analysis approach to evaluate instrument performances in developing a cost-effective reliable instrument network for atmospheric measurements
S. Lolli, P. Di Girolamo
Journal of Atmospheric and Oceanic Technology 32.9 (2015) pp. 1642–1649. 2015

[20]   Observations of rapid aerosol optical depth enhancements in the vicinity of polluted cumulus clouds
T.F. Eck, B.N. Holben, J.S. Reid, A. Arola, R.A. Ferrare, C.A. Hostetler, S.N. Crumeyrolle, T.A. Berkoff, E.J. Welton, S. Lolli
Atmospheric Chemistry and Physics 14.21 (2014) p. 11633. 2014

[21]   Evaluating light rain drop size estimates from multiwavelength micropulse lidar network profiling
S. Lolli, E.J Welton, J.R. Campbell
Journal of Atmospheric and Oceanic Technology 30.12 (2013) pp. 2798–2807. 2013

[22]   0.355-micrometer direct detection wind lidar under testing during a field campaign in consideration of ESA's ADM-Aeolus mission
S. Lolli, A. Delaval, C. Loth A. Garnier, P.H. Flamant
Atmospheric Measurement Techniques 6 (2013) pp. 3349–3358. 2013

[23]   Origin, transport, and vertical distribution of atmospheric pollutants over the northern South China Sea during the 7-SEAS/Dongsha Experiment
S.H. Wang, S.C. Tsay, N.H. Lin, S.C. Chang, C. Li E.J. Welton, B.N. Holben, N.C. Hsu, W.K.M. Lau, S. Lolli
Atmospheric environment 78 (2013) pp. 124–133. Pergamon, 2013

[24]   Evaluation of mixing-height retrievals from automatic profiling lidars and ceilometers in view of future integrated networks in Europe
M. Haeffelin, F. Angelini, Y. Morille, G. Martucci, S. Frey, G.P. Gobbi, S. Lolli, C.D. O'Dowd, L. Sauvage, I. Xueref-Rémy
Boundary-Layer Meteorology 143.1 (2012) pp. 49–75. Springer Netherlands, 2012

[25]   An assessment of pseudo-operational ground-based light detection and ranging sensors to determine the boundary-layer structure in the coastal atmosphere
C. Milroy, G. Martucci, S. Lolli, S. Loaec, L. Sauvage l.and Xueref-Remy, J.V. Lavrič, P. Ciais, D.G. Feist, G. Biavati
Advances in Meteorology 2012 (2012). Hindawi Publishing Corporation, 2012

[26]   EZ Lidar™: A new compact autonomous eye-safe scanning aerosol Lidar for extinction measurements and PBL height detection. Validation of the performances against other instruments and intercomparison campaigns
S. Lolli, L. Sauvage, S. Loaec, M. Lardier
Óptica pura y aplicada 44.1 (2011) pp. 33–41. 2011

[27]   Polarization behavior and damage thresholds of long-period diffractive samplers
A. Lapucci, M. Ciofini, S. Lolli
Journal of Optics A: Pure and Applied Optics 5.4 (2003) p. 356. IOP Publishing, 2003

[28]   Diffractive optical components for high power laser beam sampling
M. Ciofini, A. Lapucci, S. Lolli
Journal of Optics A: Pure and Applied Optics 5.3 (2003) p. 186. IOP Publishing, 2003

[29]   Experimental validation of surface scattering and emission models

G. Macelloni, G. Nesti, P. Pampaloni, S. Sigismondi, D. Tarchi, S. Lolli
IEEE Transactions on Geoscience and Remote Sensing 38.1 (2000) pp. 459–469. IEEE, 2000

Conference Proceedings

[1] High-resolution satellite aerosol optical depth retrieval and its variability over highly industrialized hotspots in the Po Valley, Italy
S. Lolli, L. Alparone, M. Bilal, A. Garzelli, G. Vivone
Proc.SPIE, 2018

[2] Estimate of rain evaporation rates from dual-wavelength lidar measurements: comparison against a model analytical solution
S. Lolli, P. Di Girolamo, B. Demoz, X. Li, E. J. Welton
EPJ Web of Conferences, 2018

[3] Status of the NASA Micro Pulse Lidar Network (MPLNET): overview of the network and future plans, new version 3 data products, and the polarized MPL
E.J. Welton, S. Stewart, J.R. Lewis, L.R. Belcher, J.R. Campbell, S. Lolli
EPJ Web of Conferences, 2018

[4] Assessment of cirrus cloud and aerosol radiative effect in South-East Asia by ground-based NASA MPLNET lidar network data and CALIPSO satellite measurements
S. Lolli, J.R. Campbell, J.R. Lewis, E.J. Welton, P. Di Girolamo, Fatkhuroyan, Y. Gu, J. W. Marquis
SPIE Proceedings, 2017. DOI: 10.1117/12.2278987

[5] Assessment of cirrus cloud and aerosol radiative effect in South-East Asia by ground-based NASA MPLNET lidar network data and CALIPSO satellite measurements
S. Lolli, J.R Campbell, J.R. Lewis, E.J. Welton, P. Di Girolamo, Fatkhuroyan, Y. Gu, J.W. Marquis
Remote Sensing of Clouds and the Atmosphere XXII, 2017

[6] Benefits of haze removal for modulation-based pansharpening
S. Lolli, L. Alparone, A. Garzelli, G. Vivone
SPIE Proceedings, 2017. DOI: 10.1117/12.2279086

[7] One-year monitoring of the atmosphere over Penang Island using a ground-based lidar
W.Y. Khor, M.Z. Matjafri, H.S. Lim, W.S. Hee, S. Lolli
SPIE Remote Sensing, 2015

[8] Lidar measurements during a haze episode in Penang, Malaysia and validation of the ECMWF MACC-II model
W.Y. Khor, S. Lolli, W.S. Hee, H.W. Lim, M.Z. Matjafri, A. Benedetti, L. Jones
AIP Conference Proceedings, 2015

[9] MPLNET lidar data assimilation in the ECMWF MACC-II Aerosol system: evaluation of model performances at NCU lidar station
S. Lolli, E.J. Welton, A. Benedetti, L. Jones, M. Suttie, S.H. Wang
SPIE Remote Sensing, 2014

[10] High Spectral Resolution Lidar and MPLNET Micro Pulse Lidar aerosol optical property retrieval intercomparison during the 2012 7-SEAS field campaign at Singapore
S. Lolli, E.J. Welton, J.R. Campbell, E. Eloranta, B.N. Holben, B.N. Chew, S.V. Salinas
Proc. of SPIE Vol, 2014

[11] Variation in daytime troposhereic aerosol via LIDAR and sunphotometer measurements in Penang, Malaysia
F.Y. Tan, W.S. Hee, S.L. Hwee, K. Abdullah, L.Y. Tiem, M.Z. Matjafri, S. Lolli, B.N. Holben, E.J. Welton
AIP Conference Proceedings, 2014

[12] Preliminary analysis of ground based lidar backscattered signal and performance evaluation in Penang Island
F.Y. Tan, B.C. Beh, C.H. Tan, H.S. Lim, K. Abdullah, M.Z. Matjafri, E.J. Welton, S. Lolli
AIP Conference Proceedings, 2013

[13] Planetary boundary layer height retrieval at UMBC in the frame of NOAA/ARL campaign
S. Lolli, R. Delgado, J. Compton, R. Hoff
Proc. of SPIE Vol, 2011

[14] An automatic planetary boundary layer height detection with a compact aerosol UV lidar
L. Sauvage, S. Loaëc, S. Lolli, M. Boquet, A. El Filali

Proc. of SPIE Vol, 2010

[15] Eyjafjallajökull volcano ash plume detection in the frame of the new constituting Lidar network Leonet
S. Lolli, S. Conil, A. Dabas, D. Donovan, S.E. Gryning, T. Mikkelsen, H. Ricketts, L. Sauvage, G. Vaughan, J. Walter
Proc. of SPIE Vol, 2010

[16] Validation of the new long range 1.5 μm wind lidar wls70 for atmospheric dynamics studies
J.P. Cariou, M. Boquet, S. Lolli, R. Parmentier, L. Sauvage
Proc. of SPIE Vol, 2009

[17] EZ lidar dust transit phenomena observations in Seoul, Korea
S. Lolli, L. Sauvage, S. Loaëc
Proc. of SPIE Vol, 2009

[18] EZ LIDAR™ measurement results in the frame of Indian Monsoon TIGER-Z NASA campaign
 S. Lolli, E.J. Welton, L. Sauvage
Proc. of SPIE Vol, 2008

[19] Assessment of the EZ LIDAR and Micro Pulse Lidar (MPL) performances at ARM Southern Great Plains
(SGP) Central Facility for the measurement of clouds and aerosols
S. Lolli, L. Sauvage, I. Stachlewska, R. Coulter
Geophys. Res. Abstracts, 2008

[20] Folded stable resonators versus hybrid stable-unstable resonators for slab lasers
A. Lapucci, M. Ciofini, S. Lolli
Proc. of SPIE Vol, 2002