



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

Prof. Domenica Paoletti

Curriculum scientifico

(Aggiornato il 12/02/2015)

Domenica Paoletti received her degree in physics in 1969 from the University of L'Aquila, where she is a full professor and head of the L.A.S.E.R. Laboratory.

Her current interests include holography, nondestructive testing and heat and mass transfer, thermography for composite diagnostics and energy buildings. She has coauthored more than 200 papers and three book chapters in these fields.

Domenica Paoletti, già professore associato di Fisica Generale dal 2000 è prof. Ordinario di Fisica Tecnica Industriale (ING-IND10), attualmente è docente di Energetica Generale nella laurea magistrale di Ingegneria Meccanica.

I suoi interessi scientifici riguardano i seguenti settori: tecniche olografiche e speckle; diagnostica non distruttiva; utilizzo della termografia nella diagnostica dei nuovi materiali e nella valutazione quantitativa della dispersione energetica degli edifici; il ruolo delle clean surfaces nella mitigazione del clima.

E' coautore di più di 200 articoli scientifici e tre capitoli di libri nei suddetti settori.

E' stata responsabile dell'immagine e comunicazione dell'ateneo dal 1995 al 2004, dal 2005 al 2008 prorettore delegato all'orientamento, dal 2011 prorettore delegato al placement e dal 2012 prorettore delegato alla comunicazione e immagine.

E' membro dell'Associazione Termotecnica Italiana, dell'Associazione della Fisica Tecnica italiana, dell'UIT, del CIRIAF e referee del MIUR per la valutazione dei progetti PRIN e FIRB.

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- 243) D. AMBROSINI, PAOLETTI D, R. DI BIASE, PRAMOD K. RASTOGI, SAI SIVA GORTHY (2012). Role of data processing in measuring temperature gradients with DOE Schardin's schlieren #2. OPTICS AND LASERS IN ENGINEERING, vol. 50, p. 1069-1074.
- 242) DAFFARA C, AMBROSINI D, PEZZATI L, PAOLETTI D (2012). Thermal Quasi-Reflectography: a new imaging tool in art conservation. OPTICS EXPRESS, vol. 20, p. 14746-14753.
- 241) S. SFARRA, C. IBARRA-CASTANEDO, F. LAMBIASE, D. PAOLETTI, A. DI ILIO, X. MALDAGUE (2012). From the experimental simulation to integrated non-destructive analysis by means of optical and infrared techniques: results compared. MEASUREMENT SCIENCE AND TECHNOLOGY vol. 23, 115601.
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- 239) S. SFARRA, C. IBARRA-CASTANEDO, D. AMBROSINI, PAOLETTI D, A. BENDADA, X. MALDAGUE (2011). Integrated approach between Pulsed Thermography, Near-Infrared Reflectography and Sandwich Holography for Wooden Panel paintings advanced monitoring. RUSSIAN JOURNAL OF NONDESTRUCTIVE TESTING, vol. 47, p. 80-92.
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- 237) D. Ambrosini, R. Di Biase, D. Paoletti, D. Daffara, R. Fontana, L. Pezzati, "La realtà virtuale dallo Spazio al Museo: uno strumento nell'esplorazione delle Opere d'Arte?", V-Earthsim ? La realtà virtuale a supporto dell'osservazione della Terra, L'Aquila 04 Maggio 2011. Poster presentation.
- 236) S. Sfarra, C. Ibarra-Castanedo, D. Ambrosini, D. Paoletti, A. Bendada, X. Maldague "Integrated approach between Pulsed Thermography, Near-Infrared Reflectography and Sandwich Holography for Wooden Panel paintings advanced monitoring?" Russian Journal of Non Destructive Testing 47, 80-92 (2011)

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- 196) D. Ambrosini, D. Paoletti, A. Ponticiello
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Proc. 24th UIT National Heat Transfer Conference, Napoli (Italy), 21-23 June 2006

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"Il contributo delle tecniche non distruttive nell'analisi della perdita di materiale in manufatti artistici esposti all'inquinamento ambientale"

Atti 6° Congresso Nazionale CIRIAF, Perugia (Italy) 7-8 Aprile 2006, Morlacchi Editore, Perugia, ISBN 88-6074-018-5

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180) D. Ambrosini, G. Tanda

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179) D. Ambrosini, M. Molino, D. Paoletti, G. Galli

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Proc. 16th Int. Symposium on Transport Phenomena, Prague (Czech Republic), August 29 - September 1 2005
ISBN 80-86786-04-8

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172) D. Ambrosini, D. Paoletti, G. Pasqualoni, D. Ranalli, M. Scozzafava, M. Tallini
"GPR and Thermography for compared investigations in historical buildings"
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