

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name
Address
Telephone
Fax
E-mail

Nationality
Date of birth

STEFANO RIDOLFI

Italian

WORK EXPERIENCE

- Dates 2001-
• Name and address of employer Ars Mensurae, 29, via Giovanni Aretusi, 00188, Rome, Italy (www.arsmensurae.it)
 - Type of business or sector Spectroscopy on Cultural Heritage and Bio-Medical
 - Occupation or position held CEO and Scientific Director
- Main activities and responsibilities Plans diagnostic campaigns, coordinates technical teams, develops new instruments and procedure.

- Dates 2016-2018
• Name and address of employer Sapienza University, Molecular Medicine Department, Rome
 - Type of business or sector Research grant, "Analyses of scintillation crystals in monolithic and matricial bulk form"
 - Occupation or position held Researcher
- Main activities and responsibilities Development of non invasive SOP on hygroscopic crystals for qualitative and quantitative analyses

- Dates 2002-
• Name and address of employer University "La Sapienza"
 - Type of business or sector Teaching and dissertation tutoring
 - Occupation or position held Adjunct Professor
- Main activities and responsibilities Medical Physics (II Faculty of Medicine and Surgery), laboratory of Physics and laboratory of Archaeometry (Faculty of Mathematical, Physical and Natural Science).

- Dates 2008
• Name and address of employer Sapienza University, Experimental Medicine Department, Rome
 - Type of business or sector Research grant, "PET / SPECT imaging tomography in dual mode of breast cancer", Ricerche di Ateneo 2006
 - Occupation or position held Researcher
- Main activities and responsibilities Development and calibration of the detectors

- Dates 2007
• Name and address of employer Sapienza University, Experimental Medicine Department, Rome
 - Type of business or sector Research grant, "Modular SPET cerebral tomography for submillimeter spatial resolution", Ricerche di Ateneo 2004
 - Occupation or position held Researcher
- Main activities and responsibilities Improvement of hardware and writing of DAQ software

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

2005-2009
 Tari scpa Marcanise Caserta
 Gold alloys
 Director of laboratory
 Non invasive XRF analyses on jewelry, determination of fineness in gold alloys

- Dates
- Name and address of employer
 - Type of business or sector
 - Occupation or position held
- Main activities and responsibilities

1989-1990
 Italian Army
 Anti-aircraft artillery.
 Lieutenant
 Operative Platoon commander.

EDUCATION AND TRAINING

- Dates
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
 - Title of qualification awarded
 - Level in national classification (if appropriate)

2001
 Faculty of Science University of Rome "La Sapienza"

 Basic and Advanced Physics. Developing of research abilities

 Degree of Physics (109/110)
 ISCED 5A

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

ENGLISH

- Reading skills
- Writing skills
- Verbal skills

EXCELLENT
 EXCELLENT
 EXCELLENT

GERMAN

- Reading skills
- Writing skills
- Verbal skills

GOOD
 GOOD
 GOOD

SOCIAL SKILLS AND COMPETENCES

Attitude to the interdisciplinary research work. Excellent relational skills.

ORGANIZATIONAL SKILLS AND COMPETENCES

He coordinates national and international projects devoted to the development of new scientific instruments applied to Cultural Heritage and software development for Bio-Medical being principal investigator and investigator.
 He is CEO of Ars Mensurae in Rome and coordinates the work of the technical teams.

TECHNICAL SKILLS AND COMPETENCES

He is an expert of ND techniques applied to the diagnostic procedures in the field of Conservation. He is an expert in software development for spectroscopy applied to Bio-Medical. The main subjects of his activities are: X rays, imaging and spectrometry and development of related instrumentation. Multispectral imaging techniques.

OTHER SKILLS
AND COMPETENCES

His research interest has been focused on the development of ND techniques, applied nuclear physics, imaging and image processing, archaeometry and conservation. He is author of several papers concerning the x ray physics and the development of techniques and procedures in journals of applied physics and, more recently, on case studies concerning the diagnostics on Cultural Heritage.

He is involved in international collaboration and was invited speaker in national and international conferences.

He is scientific expert for UNESCO for international missions in Serbia, Albania, Haiti.

He is scientific expert for IAEA (International Atomic Energy Agency) since 2010 with missions on the use of nuclear techniques for Cultural Heritage in Serbia, Albania, Turkey, EAU.

EDUCATIONAL ACTIVITIES AT
UNIVERSITY LEVEL IN ITALY

Sapienza University

Science and Technology for the Conservation of Cultural Heritage (Faculty of Mathematics, Physics and Natural Science)

2020-2021 Adjunct professor "Archaeometry" (6 CFU)

2019-2020 Adjunct professor "Archaeometry" (6 CFU)

2018-2019 Adjunct professor "Archaeometry" (6 CFU)

2017-2018 Adjunct professor " Laboratory of Archaeometry " (3 CFU)

2016-2017 Adjunct professor " Laboratory of Archaeometry " (3 CFU)

2014-2015 Adjunct professor "Laboratory of Physics" (3 CFU)

2013-2014 Adjunct professor " Laboratory of Physics" (3 CFU)

2012-2013 Adjunct professor " Laboratory of Physics" (3 CFU)

2011-2012 Adjunct professor " Laboratory of Physics" (3 CFU)

2010-2011 Adjunct professor " Laboratory of Physics" (2 CFU)

2009-2010 Adjunct professor " Laboratory of Physics" (2 CFU)

Medical Physics (II Faculty of Medicine and Surgery)

2011-2012 Adjunct professor "Medical Physics" (MED 36)

2010-2011 Adjunct professor "Medical Physics" (MED 36)

2009-2010 Adjunct professor "Medical Physics" (MED 36)

2008-2009 Adjunct professor "Medical Physics" (MED 36)

2007-2008 Adjunct professor "Medical Physics" (MED 36)

2006-2007 Remedial courses in "Medical Physics"

2005-2006 Remedial courses in "Medical Physics"

2004-2005 Remedial courses in "Medical Physics"

2003-2004 Remedial courses in "Medical Physics"

2002-2003 Remedial courses in "Medical Physics"

ISCR (Istituto Superiore per la Conservazione ed il Restauro)

2020-2021 Adjunct professor "The chemistry of metals and alloys" (3 CFU)

Teaching activity in "International project for education on Cultural Heritage"

2018 "Diagnostics on Cultural Heritage" (4 CFU), Rome

2017 "Diagnostics on Cultural Heritage" (3 CFU), Sarajevo, Bosnia Herzegovina

IRR (Istituto Restauro Roma)

2020-2021 Adjunct professor "Material technology" (6 CFU)

Palermo University

Teaching activity in II level Master " Researcher in nanotechnology for Cultural Heritage"

2015-2016 "Diagnostics on Cultural Heritage" (3 CFU),

DIAGNOSTIC EDUCATIONAL YARD

The Diagnostic Educational Yard is an innovative way to educate university students to Science applied to Cultural Heritage.

2014 Musei Capitolini: "Natura morta" from a 17th century artist. 21 Students for the Sapienza international Master course ArchMat and mixed courses

2015 Museo Napoleonico: "Napoleone nel costume SACRE" from Casarine Henriette Flore Davin. 22 Students for the Sapienza international Master course ArchMat and mixed courses

2016 Galleria Nazionale di Arte Moderna e Contemporanea: "Allo specchio" from Giacomo Balla. 33 Students for the Sapienza international Master course ArchMat and mixed courses

2017 Museo Canonica Roma: "Self portrai"t from Pietro Canonica. 32 Students for the Sapienza international Master course ArchMat

2018 Museo Canonica Roma: 41 Students for the Sapienza international Master course ArchMat

2019 Museo Canonica Roma: 38 Students for the Sapienza international Master course ArchMat

INTERNATIONAL INVITED LECTURES AND SCIENTIFIC COMMITTEE

Invited lectures

- 1) DXC, Denver X-ray Conference, Chicago, USA. 31 July-4 August 2017
- 2) DXC, Denver X-ray Conference, Chicago, USA. 1-5 August 2016
- 3) EARJ 2014, Escola de Arqueometria do Rio de Janeiro, Brasil. 12-14 September 2014
- 4) EXRS 2012, European X-Ray Spectrometry Conference, IAEA Vien, Austria. 18-22 June 2012
- 5) XTACH11, International conference on the use of X-ray and related techniques in Art and Cultural Heritage, American University of Sharjah, EAU. 7-8 December 2011

Scientific Committee

International Conference on "Non Destructive Investigations and Microanalysis for the Diagnostics and Conservation of Cultural and Environmental Heritage"

ART 2017 Turin Italy

ART 2014 Madrid Spain

ART 2008 Jerusalem Israel

IAEA AND UNESCO ACTIVITY

IAEA

Research Contracts

- 1) Chief Scientific Investigator. Research Contract Agreement number 16766, Optimization of EDXRF portable systems for low energy, surface analyses of Cultural Heritage, 2011-2014

International Expert

- 1) International Expert, National Workshop on nuclear and other instrumental techniques in investigation of Cultural Heritage artefacts, Serbia, from 16/04/2007 to 21/04/2007 RER1006

Senior Lecturer

- 1) Lecturer, Regional training course for end-users in nuclear techniques for the analysis of ceramics objects, Albania, from 26/05/2014 to 30/05/2014, RER0039
- 2) Lecturer, Regional training course on advanced characterization of Cultural Heritage artefacts using nuclear analytical techniques, Albania, from 14/05/2012 to 18/05/2012, RER0034
- 3) Lecturer, Regional training course on characterization of Cultural Heritage objects by using nuclear application techniques, Turkey, from 11/07/2011 to 15/07/2011, RER8015
- 4) Lecturer, National training course on advanced analysis techniques in arts and archeology using micro-XRF United Arab Emirates, Sharja, from 11/12/2010 to 13/12/2010, UAE0006

UNESCO

- 1) Tutor, Workshop on X Ray Spectroscopy for Cultural Heritage, Albania, from 15/03/2009 to 21/03/2009, CIC 09-08 FR 3240198156

PATENTS

- 1) FIS2007000259: Dual Mode XRF, 2010
- 2) RM2010A000003: Identification method for paintings, 2013
- 3) RM2013A000705: Apparatus and method for EDXRF analysis with open-air beams, 2016

JOURNAL REVIEWER

- 1) "Radiation Physics and Chemistry" from Elsevier
- 2) "X-Ray Spectrometry" from Wiley
- 3) "Natural Product Research" from Taylor & Francis

NATIONAL AND INTERNATIONAL PROJECTS

The international and national projects with leading roles

- 2014-2015** Project leader for the bilateral project Italy-Serbia devoted to: "Development and implementation of two novel portable instruments for the analyses of Cultural Heritage: portable scanner XRF and portable XRD". Research Project of Particular Relevance. Granted by MAE the Italian Ministry of Foreign Affairs.
- 2013-2015** Partner in "LSP Her" multilateral project financed by the European Commission 530847-LLP-1-2012-GR-KA2-KA2MP.
- 2013-2015** Partner in "Scintigraphic and Goniometric probe for the localization of radio marked molecules for diagnostic and surgical use". POS FESR G17516 CUP F17I12000180009, Structural European funds for SME.
- 2008-2010** National Coordinator of the Italy-Albania project: "Development of SOP's for the conservation of archeological materials with spectroscopic portable systems". Granted by MAE the Italian Ministry of Foreign Affairs.

The international and national projects on Cultural Heritage in which he was involved are:

- 2019-2021** "Iper3D" project in collaboration with CNR, grant from Lazio Innova.
- 2019-2020** "SUPERARE" project in collaboration with Roma3, grant from Lazio Innova.
- 2019-2020** "MUSA" project in collaboration with INFN and Roma3, grant from Lazio Innova.
- 2018-2021** Partner in "ED-ARCHMAT European Joint Doctorates" MSCA-ITN-EJD 766311, project financed by the European Commission
- 2016-2017** "HeritageBot" in collaboration with the University of Cassino and South Lazio. "Development of an UM robot for Cultural Heritage". Granted by LazioInnova.
- 2014-2015** "SIGLOD radioactive contamination detection system by drone" with the University of Palermo STEBICEF, PON project CUP B71H12000680005
- 2011-2012** "C.HE.MU.SY. Project" developed in collaboration with CNR and the private company Assing spa: Development of a micro XRF portable system devoted for Cultural Heritage. Granted by FILAS Lazio.
- 2011-2012** "Red Eyes Project" in collaboration with the private company CRISMA srl: Development of a novel system for high resolution infrared thermography. Granted by FILAS Lazio.
- 2008-2009** Development of a micro XRF and micro Raman system for NDT in situ analyses of Cultural Heritage. Granted by the city of Rome.
- 2005-2007** "SAIME Project": novel analytical systems for the analyses of the gold carat. Granted by the Italian Ministry of Research.
- 2002-2004** "SAPAB Project": analyses, protection and conservation of precious surfaces against smearing. Granted by the Italian Ministry of Research.
- 1999-2001** Protection of cultural heritage "XRF ART": development of a new solid state detector for the analysis of the Cultural Heritage (SDD, silicon drift detector). Granted by EU

The national and regional Bio-Medical projects in which he was involved are:

- 2014-2015** "Innovative algorithms for the generation of a new class of scintillation products based on the holistic integration of specific functional properties, HOLISCINT", CUP F88C14000400007, Structural European funds for SME
- 2010-2012** "ADIMA". POS FESR asse I Attività I.1 CUP F87I10000740007, Structural European funds for SME.
- 2008-2010** "Sistema avanzato di Imaging Molecolare per Biomedicina". FILAS project.
- 1999-2003** "Mammocam, position sensitive systems availing of crystals". Grant from MURST.

ADDITIONAL INFORMATION

He is II level expert of Infrared thermography applied to Cultural Heritage.
He is qualified technical expert for the criminal court in Rome for antique, ancient and modern art.

SCIENTIFIC PRODUCTIVITY

Scopus Author ID: 7801640160, ORCID iD: 0000-0002-2866-6344

Publications in international journals with referees
59 since 2002

Contributions in international conferences proceedings
69 since 2002

Scientific Books chapters
4 since 2005

Chapters in Books for Scientific Dissemination
22 since 2005

Total Citations
364

Total Impact Factor
46.244

H Index
10

Citations per publication

4.977

Impact Factor per publication

1.051

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- 1) R.Pani, R.Pellegrini, M.N.Cinti, M.Longo, R.Donnarumma, A.D'Alessio., C.Borrazzo, A.Pergola, S.Ridolfi, G.De Vincentis (2016). Development of a novel gamma probe for detecting radiation direction. JOURNAL OF INSTRUMENTATION, vol. 11, p. C01002-1-C01002-8, ISSN: 1748-0221, doi: 10.1088/1748-0221/11/01/C01002
 - 2) R.Pani, M.Colarieti-Tosti, M.N.Cinti, C.Polito, C.Trigila, S.Ridolfi (2016). Investigation of radiation detection properties of CRY-018 and CRY-019 scintillators for medical imaging. JOURNAL OF INSTRUMENTATION, ISSN: 1748-0221, doi: 10.1088/1748-0221/11/09/P09010
 - 3) R. Pani, R. Pellegrini, M.N. Cinti, M. Longo, R. Donnarumma, A. D'Alessio, C. Borrazzo, A. Pergola, S. Ridolfi and G. De Vincentis. 2016. Development of a novel gamma probe for detecting radiation direction. Journal of Instrumentation, Volume 11, January 2016
 - 4) Pani R., Prof.; Pellegrini R., Dr.; Ridolfi S., Dr.; Scafè R., Dr.; De Vincentis G., Dr.; Di Castro E., Dr.; Lo Meo S., Dr.; Fabbri A., Dr.; Bennati P., Dr.; Cinti M., Dr. 2015. Characterization of a gamma-ultrasound device for high imaging performances. : Nuclear Inst. and Methods in Physics Research, A
 - 5) CINTI M.N., PANI R., PELLEGRINI R., BENNATI P., ORLANDI C., FABBRI A., RIDOLFI S., SCAFÈ R., 2013. Spectrometric performances of high quantum efficiency multi and single anode PMTs coupled to LaBr3(Ce) crystal. Nuclear Physics A, 724 pp 37-33.
 - 6) PANI, R., CINTI, M.N., BENNATI, P., PELLEGRINI, R., CENCELLI, V.O., FABBRI, A., DE NOTARISTEFANI, F., SACCO, D., BARONCELLI, A., AMENDOLA, G., SCAFÈ, R., RIDOLFI, S., DE VINCENTIS, G., DI CASTRO, E., MATTIOLI, M., BOCCACCIO, P., MOSCHINI, G., LANCONELLI, N., LO MEO, S. and NAVARRIA, F., 2012. Design and characterization of a dual modality (SPET-US) tomographic device, IEEE Nuclear Science Symposium Conference Record 2012, pp. 2516-2520.
 - 7) PANI, R., CINTI, M.N., PELLEGRINI, R., BENNATI, P., RIDOLFI, S., SCAFÈ, R., ORSOLINI CENCELLI, V., DE NOTARISTEFANI, F., FABBRI, A., NAVARRIA, F.L., LANCONELLI, N., MOSCHINI, G. and BOCCACCIO, P., 2011. Pulse height non-linearity in LaBr 3:Ce crystal for gamma ray spectrometry and imaging. Nuclear Physics B - Proceedings Supplements, 215(1), pp. 168-172.
 - 8) PANI, R., CINTI, M.N., PELLEGRINI, R., BENNATI, P., RIDOLFI, S., ORSOLINI CENCELLI, V., FABBRI, A., DE NOTARISTEFANI, F., SACCO, D., NAVARRIA, F., LO MEO, S., LANCONELLI, N., MOSCHINI, G., BOCCACCIO, P., SCAFÈ, R. and DE VINCENTIS, G., 2009. Evaluation of Hamamatsu H8500 new series MAPMTs for readout of high-resolution LaBr3:Ce scintillation crystal, IEEE Nuclear Science Symposium Conference Record 2009, pp. 1542- 1546.
 - 9) Pani, R.; Cinti, M.N.; Pellegrini, R.; Bennati, P.; Ridolfi, S.; Orsolini Cencelli, V.; Fabbri, A.; De Notaristefani, F.; Sacco, D.; Navarra, F.; Lo Meo, S.; Lanconelli, N.; Moschini, G.; Boccaccio, P.; Scafe, R.; De Vincentis, G.; Evaluation of hamamatsu H8500 new series MAPMTs for readout of high- resolution LaBr3:Ce scintillation crystal Nuclear Science Symposium Conference Record (NSS/MIC), 2009 IEEE Digital Object Identifier: 10.1109/NSSMIC. 2009. 5402274 (2009), pp. 1542 - 1546
 - 10) Pani, R., Cinti, M.N., Scafè, R., Pellegrini, R., Vittorini, F., Bennati, P., Ridolfi, S., Lo Meo, S., Mattioli, M., Baldazzi, G., Pisacane, F., Navarra, F., Moschini, G., Boccaccio, P., Orsolini Cencelli, V., Sacco, D. Energy resolution measurements of LaBr3:Ce scintillating crystals with an ultra-high quantum efficiency photomultiplier tube (2009) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 610 (1), pp. 41-44.
 - 11) Pani, R., Cinti, M.N., Scafe, R., Bennati, P., Pellegrini, R., Vittorini, F., Ridolfi, S., Lo Meo, S., Mattioli, M., Baldazzi, G., Trotta, G., Navarra, F., Moschini, G., Orsolini Cencelli, V. Gamma-ray spectroscopy with LaBr3:Ce scintillation crystal coupled to an ultra high quantum efficiency PMT (2008) IEEE Nuclear Science Symposium Conference Record, art. no. 4774853, pp. 2462-2466.
 - 12) Pani, R., Pellegrini, R., Bennati, P., Cinti, M.N., Ridolfi, S., Scafè, R., Vincentis, G.D., Meo, S.L., Lanconelli, N., Navarra, F., Moschini, G., Fabbri, A., D'Abramo, E., Sacco, D., Cencelli, V.O., Notaristefani, F.D. A novel parallel hole collimator for high resolution SPET imaging with a compact LaBr3 gamma camera (2008) IEEE Nuclear Science Symposium Conference Record, art. no. 4774115, pp. 3824-3828.
 - 13) Fabbri, A., Cencelli, V.O., De Notaristefani, F., D'Abramo, E., Moschini, G., Navarra, F., Pani, R., Petulla', F., Riondino, D., Pellegrini, R., Cinti, M.N., Ridolfi, S. Integrated readout electronics For multi anode PSPMT (2008) IEEE Nuclear Science Symposium Conference Record, art. no. 4774581, pp. 1062- 1065.
 - 14) Pani, R., Cinti, M.N., Pellegrini, R., Bennati, P., Lo Meo, S., Ridolfi, S., Vittorini, F., De Notaristefani, F., Mattioli, M. Photodetector and scintillation crystals requirements for

- gamma-ray imaging (2007) *Nuovo Cimento della Societa Italiana di Fisica C*, 30 (5), pp. 435-448.
- 15) Cinti, M.N., Majewski, S., Williams, M.B., Bachman Kundu, B.K., Stolin, A., Popov, V., Welch, B.L., De Vincentis, G., Bennati, P., Betti, M., Ridolfi, S., Pani, R. Iodine 125 imaging in mice using NaI(Tl)/flat panel PMT integral assembly (2007) *IEEE Transactions on Nuclear Science*, 54 (3), pp. 461-468.
 - 16) Pani, R., Pellegrini, R., Cinti, M.N., Trotta, C., Trotta, G., Scafè, R., D'Addio, L., Iurlaro, G., Montani, L., Bennati, P., Ridolfi, S., Cusanno, F., Garibaldi, F. Factors affecting hamamatsu H8500 flat panel PMT calibration for gamma ray imaging (2007) *IEEE Transactions on Nuclear Science*, 54 (3), pp. 438-443.
 - 17) Cinti, M.N., Scafè, R., Pellegrini, R., Trotta, C., Bennati, P., Ridolfi, S., Lanconelli, N., Montani, L., Cusanno, F., Garibaldi, F., Telfer, J., Pani, R. CsI(Tl) micro-pixel scintillation array for ultra-high resolution gamma-ray imaging (2007) *IEEE Transactions on Nuclear Science*, 54 (3), pp. 469-474.
 - 18) Pani, R., Cinti, M.N., Pellegrini, R., Betti, M., Devincintis, G., Bennati, P., Ridolfi, S., Iurlaro, G., Montani, L., Scafè, R., Marini, M., Porfiri, L.M., Giachetti, G., Baglini, F., Salvadori, G., Madesani, M., Pieracci, M., Catarsi, F., Bigongiari, A. Compact large FoV gamma camera for breast molecular imaging (2006) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 569 (2 SPEC. ISS.), pp. 255-259.
 - 19) R. Pani, R. Pellegrini, C. Trotta, M.N. Cinti, P. Bennati, G. Trotta, G. Iurlaro, L. Montani, S. Ridolfi, F. Cusanno, and F. Garibaldi. The "IMI" project: an advanced gamma camera for scintimammography. *Nuclear Instruments and Methods in Physics Research A*, Vol.518, Issue 1-2, p380- 381 (2004).
 - 20) Pani, R., Bennati, P., Cinti, M.N., Pellegrini, R., Betti, M., Ridolfi, S., Lanconelli, N., Karimian, A., Garibaldi, F., Cusanno, F., Marini, M., De Notaristefani, F. Imaging characteristics comparison of compact pixellated detectors for Scintimammography (2004) *IEEE Nuclear Science Symposium Conference Record*, 6, pp. 3748-3751.
 - 21) Pani, R., Pellegrini, R., Cinti, M.N., Trotta, C., Bennati, P., Betti, M., De Vincentis, G., Cusanno, F., Garibaldi, F., Ridolfi, S., Majewsky, S., Tsui, B.M.W. New Devices for Imaging in Nuclear Medicine (2004) *Cancer Biotherapy and Radiopharmaceuticals*, 19 (1), pp. 121-128.
 - 22) Pani, R., Pellegrini, R., Cinti, M.N., Mattioli, M., Trotta, C., Montani, L., Iurlaro, G., Trotta, G., D'Addio, L., Ridolfi, S., De Vincentis, G., Weinberg, I.N. Recent advances and future perspectives of position sensitive PMT (2004) *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms*, 213, pp. 197-205.
 - 23) Pellegrini, R., Pani, R., Cinti, M.N., Trotta, C., Iurlaro, G., Betti, M., Bennati, P., Cusanno, F., Garibaldi, F., Ridolfi, S., Mattioli, M., Majewski, S., Tsui, B.M.W. Design of compact pinhole SPECT system based on Flat Panel PMT (2003) *IEEE Nuclear Science Symposium Conference Record*, 3, art. no. M3- 49, pp. 1828-1832.
 - 24) Cinti, M.N., Scafè, R., Pellegrini, R., Trotta, C., Bennati, P., Ridolfi, S., Montani, L., Cusanno, F., Garibaldi, F., Telfer, J., Pani, R. "CsI(Tl) micro-pixel scintillation array for ultra-high resolution gamma-ray imaging" (2003) *IEEE Nuclear Science Symposium Conference Record*, 4, art. no. M7-93, pp. 2371- 2375.
 - 25) Pani, R., Pellegrini, R., Trotta, C., Cinti, M.N., Bennati, P., Trotta, G., Iurlaro, G., Montani, L., Ridolfi, S., Cusanno, F., Garibaldi, F. Flat panel PMT: Advances in position sensitive photodetection (2003) *Nuclear Physics B - Proceedings Supplements*, 125, pp. 53-59.
 - 26) R.Pani, M.N.Cinti, R.Pellegrini, N.Belcari, S. Ridolfi, A. Del Guerra (2003). "Evaluation of flat panel PMT for gamma ray imaging" *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 504(1-3), pp. 262-268
 - 27) R.Pani, R.Pellegrini, M.N.Cinti, F.Cusano, F.Garibaldi (2002). "Factors Affecting Flat Panel PMT Calibration for Gamma Ray Imaging" *IEEE Nuclear Science Symposium and Medical Imaging Conference*, 2, pp. 671-675

PUBLICATIONS

- Cultural Heritage
- 1) Lins, S.A.B., Gigante, G.a, Cesareo, R., Ridolfi, S., Brunetti, A. (2021). Testing the accuracy of the calculation of gold leaf thickness by mc simulations and MA-XRF scanning. *Applied Sciences*, Volume 10, Issue 10, 1 May 2020, Article number 3582
 - 2) Albini, M., Ridolfi, S., Giuliani, C., Pascucci, M., Staccioli, M.P., Riccucci, C. (2020). Multi-Spectroscopic Approach for the Non-invasive Characterization of Paintings on Metal Surfaces. *Frontiers in Chemistry*, Volume 8, 16 April 2020, Article number 289
 - 3) Barcellos Lins, S.A., Ridolfi, S., Gigante, G.E., Cesareo, R., Albini, M., Riccucci, C., di Carlo, G., Fabbri, A., Branchini, P., Tortora, L. (2020). Differential X-Ray Attenuation in MA-XRF Analysis for a Non-invasive Determination of Gilding Thickness. *Frontiers in Chemistry*, Volume 8, 13 March 2020, Article number 175
 - 4) Lins, S.A.B., Manso, M., Gigante, G.E., Cesareo, R., Tortora, L., Branchini, P., Ridolfi, S. (2020). Modular MA-XRF scanner potentialities and further advances. *IMEKO TC-4 International Conference on Metrology for Archaeology and Cultural Heritage 2020*, Pages 496-500
 - 5) Sodo, A., Ruggiero, L., Ridolfi, S.b, Savage, E., Valbonetti, L., Antonietta Ricci, M. (2019). Dating of a unique six-colour relief print by historical and archaeometric methods. *European Physical Journal Plus*, Volume 134, Issue 6, 1 June 2019, Article number 276
 - 6) Ridolfi, S., Laurenzi Tabasso, M., Askari Chaverdi, A., Callieri, P. (2019). The Finishing Technique of the Stone Monuments of Persepolis: Further Studies and New Findings Through the Use of Non-Destructive Analytical Techniques. *Archaeometry*, Volume 61, Issue 2, April 2019, Pages 272-281
 - 7) Lins, S.A.B., Gigante, G.E., Cesareo, R., Ridolfi, S. (2019). Recent developments on portable XRF scanner. *IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage, MetroArchaeo 2019*, 2019, Pages 109-113
 - 8) Lins, S.A.B., Di Francia, E., Grassini, S., Gigante, G.E., Ridolfi, S.. (2019). MA-XRF measurement for corrosion assessment on bronze artefacts. *IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage, MetroArchaeo 2019*, 2019, Pages 538-542
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Bronze alloys

Prehistoric bronzes from the San Francesco collection, Civic Museum, Bologna.
Prehistoric e early history collections, Archaeological Museum, Chieti.
Archaeological dig of Pyrgos and Sotira Kaminoudhia, Ciprus.
Bronzes from the far East, National Museum of Oriental Art, Rome.
Roman statue " The Dancing Satyr of Mazara del Vallo", Istituto Centrale del Restauro, Rome.
Bronze statue "Ercole saettante" of Emile Bourdelle, National Gallery of Modern Art, Rome.
Equestrian statue "Colleoni" of Andrea del Verrocchio, Venezia.
"The black Saint Peters", bronze statue, Saint Peter's Basilica, Vatican.
" Equestrian statue to Duca d'Aosta" of Davide Calandra, Turin.
"Monument to Vincenzo Vela" of Davide Calandra, Turin.
"Funerary monument to Sisto IV" of Antonio del Pollaiuolo, Treasure museum, Vatican.
Golden globe on the top of the Saint Peter's Basilica, Vatican.

Precious alloys

Crucifix in silver embossed plate X century, Pavia;
Mycenaean daggers in gold and silver and funeral mask of Agamemnon, Archaeological Museum of Athens, Greece;
Paliotto of Nicola of Guardiagrele, Teramo;
"Cross of Sant'Agostino", "Croce di Guardiagrele", "Cross of San Giovanni in Laterano", "Cross of Antrodoco", "Ostensory of Francavilla", "Ostensory of Atessa" in silver and enamels of Nicola di Guardiagrele, Rome;
Paliotto in silver of Cathedral of Ascoli;
"The silver sky", Istituto Centrale per il Restauro (I.C.R.), Rome;
Treasure of San Gennaro, Naples.

Mobile paintings

Paintings on paper and silk from the far East, National Museum of Oriental Art, Rome.
Paintings of Giorgio De Chirico, De Chirico Foundation collection, Rome.
Paintings of Giorgio De Chirico, National Gallery of Modern Art (G.N.A.M.), Rome.
Paintings of Giacomo Balla and Giovanni Fattori, National Gallery of Modern Art (G.N.A.M.), Rome.
"Portrait of a young man with a black dress" on canvas, of Amedeo Modigliani, Grenoble museum, France.
Paintings on canvas Amedeo Modigliani, National Gallery of Modern Art (G.N.A.M.), Roma.
"The martyrdom Santa Caterina" canvas, of Mattia Preti, La Valletta, Malta.
Paintings on canvas "Il mattino", "Le nubi", "La quiete" di A. Fontanesi, National Gallery of modern Art (G.A.M.), Turin.
"Flowers", serigraphy of Andy Warhol.
"Two cart drivers at night" of Renato Guttuso, gouache on paper, Guttuso Foudation, Rome.
"Croix of Santa Giulia" multimateric on wood Cattedrale of San Martino, Museum of Guinigi Palace, Lucca.
"Vision of Holy Amedeo Menez", wooden painting of PseudoBramantino, National Museum of Antic Art Barberini Palace, Rome.
"Breakfast on the beaches of Posillipo" canvas, of Pietro Fabris, Royal Palace of Caserta, Caserta.
"Wheat field", "Desert evening" canvas, of Mario Schifano, Rome.
"Nativity of the Vergin" canvas, Antonio Gherardi, Narni.
Painted wood of Palma the Hold "The Holy conversation", National Museum of Belgrade, Serbia.
"Pietà" wood painting, Giovanni Bellini, Uffizi Museum, Florence.
Polychrome wooden crucifix, Foiano della Chiana.
Icon "Deisis" from Tirana Historical Museum, Albania.
Chinese screens Coromandel of polychrome lacquer on wood, XVIII century, Home of the American embassy in Rome.
Liturgical register ("Cantorini") XIV century from the Archival Superintendency for Umbria, Perugia, Historical Archive.
Photographic album for the Enrico De Nicola president (1923), from the Historical Archives of the Presidency of the Republic, Rome.
Codex of 1587 Actorum Civilium, Historical archive Ravenna.
Parchment Codex, Historical archive Assisi.

Unmovable paintings

Frescoes from the Annunziata chappel, Quirinale Presidential Palace, Roma.
Frescoes from the Livia roman villa, National Roman Museum of Palazzo Massimo alle Terme, Rome.

Frescoes of Ludovico Pozzoserrato from the facade of the Confraternita di Santa Maria dei Battuti, Conegliano Veneto.
Frescoes from Antonio Cesa chapel, Santo Stefano church, Belluno.
Frescoes from Giulio II castle, Ostia.
Frescoes from the roman Mithraeum of Sutri.
"Mosaic of the harvest", roman, Colle Oppio, Rome.
Mosaic of the Triumphal Arch of the Basilica of San Lorenzo Fuori le Mura, Rome.
"Secret closet of the Duchesses", polychrome wood, Estense castle, Ferrara.
Marble tabernacle from Donatello, Treasure Museum, Vatican.

Statues

"The Maiden of Anzio," roman marble statue, National Roman Museum of Palazzo Massimo alle Terme, Rome.
"Sarcophagus of Bonifacio VIII" marble, di Arnolfo di Cambio, Vatican grottoes, Vatican.
"Veiled Christ" marble from Giuseppe Sammartino, Sansevero chapel, Napoli.
"Apollo of Veio" terracotta, from the Etruscan temple of Portonaccio, Veio.
Bas-reliefs and decorations Etruscan polychrome terracotta, Museum of the city of Cori, Cori.
Polychrome wooden statue of the "Immacolata" of Paolo Saverio di Zinno, Rome.
Polychrome wooden statue of the "Madonna della Luna Nera", Rome.
Polychrome wooden statue of the Indian "Bodhisattva", National Museum of Oriental Art, Rome

Autorizzo il trattamento dei miei dati personali ai sensi del DL. Lgs. 196/2003.

Dichiaro che quanto riportato nel presente documento corrisponde a verità ai sensi del D.P.R. 445/2000

Rome 10/03/2021

Signature

