

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **STEFANO RIDOLFI**
Address
Telephone
Fax
E-mail

Nationality Italian
Date of birth 07, February, 1969

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

- Reading skills
- Writing skills
- Verbal skills

ENGLISH
 EXCELLENT
 EXCELLENT
 EXCELLENT

- Reading skills
- Writing skills
- Verbal skills

GERMAN
 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 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)

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

2017 "Diagnostics on Cultural Heritage" (4 CFU), Rome

2016 "Diagnostics on Cultural Heritage" (3 CFU), Sarajevo, Bosnia Herzegovina

Palermo University

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

2015 2016 "Diagnostics on Cultural Heritage" (5 hours),

DIAGNOSTIC EDUCATIONAL YARD

The Diagnostic Educational Yard is an innovative way to educate university students to the 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 F17112000180009, 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.
- 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 F87110000740007, 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.

Incoming projects

- 2018-2019** Partner in "ED-ARCHMAT European Joint Doctorates" MSCA-ITN-EJD 766311, project financed by the European Commission
- 2018-2019** Partner in IAEA RER2016005 "Enhancing Coastal Management in the Adriatic and in the Black Sea by using Nuclear Analytical Techniques", project financed by IAEA

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
58 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
350

Total Impact Factor
46.244

H Index
10

Citations per publication
4.977

Impact Factor per publication
1.051

LIST OF PUBLICATIONS FOR EVALUATION

		IF	Citations
1	Article Caponetti, E., Armetta, F., Brusca, L., Chillura Martino, D., Saladino, M.L., Ridolfi, S., Chirco, G., Berrettoni, M., Conti, P., Bruno, N., Tusa, S. A multivariate approach to the study of orichalcum ingots from the underwater Gela's archaeological site 2017 Microchemical Journal, Volume 135, 163-170, DOI: 10.1016/j.microc.2017.09.003	3.034	0
2	Article Saladino, M.L., Ridolfi, S., Carocci, I., Martino, D.C., Lombardo, R., Spinella, A., Traina, G., Caponetti, E. A multi-analytical non-invasive and micro-invasive approach to canvas oil paintings. General considerations from a specific case 2017 Microchemical Journal, Volume 133, 607-613, DOI: 10.1016/j.microc.2017.04.039	3.034	0
3	Rewiew Ridolfi, S. Portable EDXRF in a multi-technique approach for the analyses of paintings 2017 Insight: Non-Destructive Testing and Condition Monitoring, Volume 59, 273-275, DOI:10.1784/insi.2017.59.5.273	0.527	0
4	Article Fichera, G.V., Dondi, P., Licchelli, M., Lombardi, L., Ridolfi, S., Malagodi, M. A combined approach for the attribution of handwriting: the case of Antonio Stradivari's manuscripts 2016 Applied Physics A: Materials Science and Processing, Volume 122, Art No. 970, DOI: 10.1007/s00339-016-0497-6	1.455	1
5	Article	1.22	2

	<p>Pani, R., Colarieti-Tosti, M., Cinti, M.N., Polito, C., Trigila, C., Ridolfi, S. Investigation of radiation detection properties of CRY-018 and CRY-019 scintillators for medical imaging 2016 Journal of Instrumentation, Volume 11, Art.No. P09010, DOI:10.1088/1748-0221/11/09/P09010</p>		
6	<p>Article Saladino, M.L., Ridolfi, S., Carocci, I., Chirco, G., Caramanna, S., Caponetti, E. A multi-disciplinary investigation of the "Tavolette fuori posto" of the "Hall of Barons" wooden ceiling of the "Steri" (Palermo, Italy) 2016 Microchemical Journal Volume 126, 132-137, DOI: 10.1016/j.microc.2015.12.004</p>	3.034	3
7	<p>Conference Paper Pani, R., Pellegrini, R., Cinti, M.N., Longo, M., Donnarumma, R., D'Alessio, A., Borrazzo, C., Pergola, A., Ridolfi, S., De Vincentis, G. Development of a novel gamma probe for detecting radiation direction 2016 Journal of Instrumentation, Volume 11, Art. No.C01002, DOI: 10.1088/1748-0221/11/01/C01002</p>	1.22	0
8	<p>Article Cesareo, R., Buccolieri, G., Castellano, A., Lopes, R.T., De Assis, J.T., Ridolfi, S., Brunetti, A., Bustamante, A. The structure of two-layered objects reconstructed using EDXRF-analysis and internal X-ray ratios 2015 X-Ray Spectrometry, Volume 44, 233-238, DOI: 10.1002/xrs.2611</p>	1.298	6
9	<p>Article Sfarra, S., Ibarra-Castanedo, C., Ridolfi, S., Cerichelli, G., Ambrosini, D., Paoletti, D., Maldague, X. Holographic Interferometry (HI), Infrared Vision and X-Ray Fluorescence (XRF) spectroscopy for the assessment of painted wooden statues: A new integrated approach 2014 Applied Physics A: Materials Science and Processing, Volume 115, 1041-1056 DOI: 10.1007/s00339-013-7939-1</p>	1.455	14
10	<p>Article Cinti, M.N., Pani, R., Pellegrini, R., Bennati, P., Orlandi, C., Fabbri, A., Ridolfi, S., Scafè, R. Spectrometric performances of high quantum efficiency multi and single anode PMTs coupled to LaBr₃(Ce) crystal 2013 Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 724, 27-33, DOI: 10.1016/j.nima.2013.04.045</p>	1.362	6
11	<p>Conference Paper Ridolfi, S. Portable X-ray Fluorescence Spectrometry for the analyses of Cultural Heritage 2012 IOP Conference Series: Materials Science and Engineering, Volume 37, Art. No.12001, DOI: 10.1088/1757-899X/37/1/012001</p>	0.41	2
12	<p>Conference Paper Pani, R., Bennati, P., Pellegrini, R., Cinti, M.N., Scafè, R., Stefano, R., De Vincentis, G., Di Castro, E., Lo Meo, S., Fabbri, A., Cencelli, V., De Notaristefani, F. LaBr₃(Ce) and NaI(Tl) performance comparison for single photon emission imaging 2012 IEEE Nuclear Science Symposium Conference Record, Art. No. 6153854, 4433-4436, DOI: 10.1109/NSSMIC.2011.6153854</p>	0.137	1
13	<p>Article Gigante, G.E., Ridolfi, S., Ferro, D. Diagnostic investigations and statistical validation of EDXRF mapping of the burial monument of Pope Sixtus IV by Antonio Pollaiuolo (1493) in the Vatican 2012</p>	1.838	4

14	<p>Journal of Cultural Heritage, Volume 13, 345-351, DOI: 10.1016/j.culher.2011.11.003</p> <p>Article</p> <p>Pani, R., Pellegrini, R., Cinti, M.N., Bennati, P., Fabbri, A., Ridolfi, S., Scafè, R., De Vincentis, G., Di Castro, E., Polli, N.S.A., Caratozzolo, M., Mattioli, M., Boccaccio, P., Moschini, G., Lanconelli, N., Lo Meo, S., Navarra, F., Sacco, D., Cencelli, V.O., Baroncelli, T., de Notaristefani, F.</p> <p>Dual Modality Ultrasound-SPET Detector for Molecular Imaging</p> <p>2011</p> <p>Nuclear Physics B - Proceedings Supplements, Volume 215, 319-323, DOI: 10.1016/j.nuclphysbps.2011.04.043</p>	0.875	4
15	<p>Article</p> <p>Visco, G., Ridolfi, S., Plattner, S.H., Gigante, G.E.</p> <p>Razors, horse bits or axes; search of the different composition in common use bronze Villanovan objects (VIII-VII century B.C., Italy) by multivariate analysis</p> <p>2010</p> <p>Current Analytical Chemistry, Volume 6, 11-18, DOI: 10.2174/157341110790069574</p>	1.302	3
16	<p>Article</p> <p>Pani, R., Vittorini, F., Cinti, M.N., Bennati, P., Pellegrini, R., Ridolfi, S., Scafè, R., Lo Meo, S., Mattioli, M., Navarra, F.L., Moschini, G., Fabbri, A., D'Abramo, E., Orsolini Cencelli, V., Sacco, D.</p> <p>Revisited position arithmetics for LaBr3:Ce continuous crystals</p> <p>2009</p> <p>Nuclear Physics B - Proceedings Supplements, Volume 197, 383-386, DOI: 10.1016/j.nuclphysbps.2009.10.109</p>	0.875	10
17	<p>Conference Paper</p> <p>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., Scafè, R., De Vincentis, G.</p> <p>Evaluation of Hamamatsu H8500 new series MAPMTs for readout of high-resolution LaBr3:Ce scintillation crystal</p> <p>2009</p> <p>IEEE Nuclear Science Symposium Conference Record, Art. No 5402274, 1542-1546, DOI: 10.1109/NSSMIC.2009.5402274</p>	0.137	4
18	<p>Article</p> <p>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.</p> <p>Energy resolution measurements of LaBr3:Ce scintillating crystals with an ultra-high quantum efficiency photomultiplier tube</p> <p>2009</p> <p>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, Volume 610, 41-44, DOI: 10.1016/j.nima.2009.05.058</p>	1.362	5
19	<p>Conference Paper</p> <p>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.</p> <p>A novel parallel hole collimator for high resolution SPET imaging with a compact LaBr3 gamma camera</p> <p>2008</p> <p>IEEE Nuclear Science Symposium Conference Record, Art. No.4774115, 3824-3828, DOI: 10.1109/NSSMIC.2008.4774115</p>	0.137	8
20	<p>Article</p> <p>Cesareo, R., Brunetti, A., Ridolfi, S.</p> <p>Pigment layers and precious metal sheets by energy-dispersive x-ray fluorescence analysis</p> <p>2008</p> <p>X-Ray Spectrometry, Volume 37, 309-316, DOI: 10.1002/xrs.1078</p>	1.298	32

- PUBLICATIONS
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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 MA-PMTs 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) E.Caponetti, F.Armetta, D.Chillura Martino, M.L.Saladino, S.Ridolfi, G.Chirco, M.Berrettoni, P.Conti, N.Bruno, S.Tusa (2017). FIRST DISCOVERY OF ORICHALCUM INGOTS FROM THE REMAINS OF A 6TH CENTURY BC SHIPWRECK NEAR GELA (SICILY) SEABED. *MEDITERRANEAN ARCHAEOLOGY & ARCHAOMETRY*, vol. 17, p. 11-18, ISSN: 1108-9628, doi: 10.5281/zenodo.581716
 - 2) S.RIDOLFI (2017). Portable EDXRF in a multi-technique approach for the analyses of paintings. *INSIGHT*, ISSN: 1354-2575, doi: 10.1784/insi.2017.59.5.273
 - 3) E.Caponetti, F.Armetta, L.Brusca, D.Chillura Martino, M.L.Saladino, S.Ridolfi, G.Chirco, M.Berrettoni, P.Conti, N.Bruno, S.Tusa, (2017). A multivariate approach to the study of orichalcum ingots from the underwater Gela's archaeological site. *MICROCHEMICAL JOURNAL*, vol. 135, p. 163-170, ISSN: 0026-265X, doi: 10.1016/j.microc.2017.09.003
 - 4) M.L.Saladino, S.Ridolfi, I.Carocci, D.C.Martino, R.Lombardo Spinella, G.Traina, E.Caponetti (2017). A multi-analytical non-invasive and micro-invasive approach to canvas oil paintings. General considerations from a specific case. *MICROCHEMICAL JOURNAL*, vol. 133, p. 607-613, ISSN: 0026-265X, doi: 10.1016/j.microc.2017.04.039
 - 5) M. L. Saladino, S. Ridolfi, I. Carocci, G. Chirco, S. Caramanna, E. Caponetti (2016). A multi-disciplinary investigation of the "Tavolette fuori posto" of the "Hall of Barons" wooden ceiling of the "Steri" (Palermo, Italy). *Microchemical Journal* Volume 126, May 2016, Pages 132–137
 - 6) V.Fichera Giusj, P.Dondi, M.Licchelli, L.Lombardi, S.Ridolfi, M. Malagodi (2016). A combined approach for the attribution of handwriting: the case of Antonio Stradivari's manuscripts. *APPLIED PHYSICS. A, MATERIALS SCIENCE & PROCESSING*, vol. 122, ISSN: 0947-8396, doi: 10.1007/s00339-016-0497-6
 - 7) Visco, G., Plattner, S.H., Guida, G., Ridolfi, S., Gigante, G.E. Rings or daggers, axes or fibulae have a different composition? A multivariate study on Central Italy bronzes from eneolithic to early iron age (2015) *Chemistry Central Journal*, 9 (1), art. no. 15. DOI: 10.1186/s13065-015-0090-7
 - 8) Cesareo, R., Buccolieri, G., Castellano, A., Lopes, R.T., De Assis, J.T., Ridolfi, S., Brunetti, A., Bustamante, A. The structure of two-layered objects reconstructed using EDXRF-analysis and internal X-ray ratios (2015) *X-Ray Spectrometry*, 44 (4), pp. 233-238. DOI: 10.1002/xrs.2611
 - 9) Sfarra, S., Ibarra-Castanedo, C., Ridolfi, S., Cerichelli, G., Ambrosini, D., Paoletti, D., Maldague, X. Holographic Interferometry (HI), Infrared Vision and X-Ray Fluorescence (XRF) spectroscopy for the assessment of painted wooden statues: A new integrated approach (2014) *Applied Physics A: Materials Science and Processing*, 115 (3), pp. 1041-1056. DOI: 10.1007/s00339-013-7939-1
 - 10) Ridolfi, S. Portable X-ray Fluorescence Spectrometry for the analyses of Cultural Heritage (2012) *IOP Conference Series: Materials Science and Engineering*, 37 (1), art. no. 012001, DOI: 10.1088/1757-899X/37/1/012001
 - 11) Gigante, G.E., Ridolfi, S., Ferro, D. Diagnostic investigations and statistical validation of EDXRF mapping of the burial monument of Pope Sixtus IV by Antonio Pollaiuolo (1493) in the Vatican (2012) *Journal of Cultural Heritage*, 13 (3), pp. 345-351. DOI: 10.1016/j.culher.2011.11.003
 - 12) Visco, G., Ridolfi, S., Plattner, S.H., Gigante, G.E. Razors, horse bits or axes; search of the different composition in common use bronze Villanovan objects (VIII-VII century B.C., Italy) by multivariate analysis (2010) *Current Analytical Chemistry*, 6 (1), pp. 11-18. DOI: 10.2174/157341110790069574
 - 13) Mascelloni, M.L., Cerichelli, G., Ridolfi, S. A multi-disciplinary approach to the study of an assemblage of copper-based finds assigned to the prehistory and proto-history of Fucino, Abruzzo, Italy (2009) *Journal of Mining and Metallurgy, Section B: Metallurgy*, 45 (2), pp. 175-185. DOI: 10.2298/JMMB0902175M
 - 14) Cesareo, R., Brunetti, A., Ridolfi, S. Pigment layers and precious metal sheets by energy-dispersive x-ray fluorescence analysis (2008) *X-Ray Spectrometry*, 37 (4), pp. 309-316. DOI: 10.1002/xrs.1078
 - 15) Diana, M., Gabrielli, N., Ridolfi, S. Sulfur determination on stone monuments with a transportable EDXRF system (2007) *X-Ray Spectrometry*, 36 (6), pp. 424-428. DOI: 10.1002/xrs.1005
 - 16) Cesareo, R., Ferretti, M., Gigante, G.E., Guida, G., Moioli, P., Ridolfi, S., Garcia, C.R. The use of a European coinage alloy to compare the detection limits of mobile XRF systems. A feasibility study (2007) *X-Ray Spectrometry*, 36 (3), pp. 167-172. DOI: 10.1002/xrs.960
 - 17) R.Cesareo, S.Ridolfi, A.Castellano, S.QUarta, G.E.Gigante (2006). "From giotto to de chirico to verrocchio: Analyses of paintings and historical bronze alloys availing of portable EDXRF equipment", *Journal of Neutron Research*, 14(1), pp. 17-27

Scientific Books chapters

- 1) G.E. Gigante, S. Ridolfi (2013). "X-Ray Techniques and X-Ray Fluorescence with Portable Systems", and "Study of Vatican Masterpieces" in "Conservation Science for the Cultural Heritage", Springer, ISBN 978-3-642-30984-4.
- 2) G. Guida, D. Artioli, S. Ridolfi, G.E. Gigante (2010). "Study by Mobile Non Destructive Testing of The Bronze Statue of The "Satiro" of Marsala, Science for Cultural Heritage, Technological Innovation and Case Studies in Marine and Land Archaeology in the Adriatic Region and Inland, 2010, World Scientific Publishing Co., Singapore ISBN-13 978-981-4307-06-2 or 978-981-4307-07-9 (eBook).
- 3) R. Cesareo, S. Ridolfi et al (2008). "Portable systems for EDXRF Analysis of Works of Art", in "Portable X-ray Fluorescence Spectrometry", The Royal Society of Chemistry, ISBN 978-0-85404-552-5.
- 4) G.E. Gigante, S. Ridolfi, P. Ricciardi, M. Colapietro (2005). "Quantitative analysis of ancient metal artefacts by means of portable energy-dispersive X-ray fluorescence spectrometers: a critical review", in "Cultural Heritage conservation and environmental impact assessment", Balkema publisher ISBN: 9058096815

Encyclopedia Monographic Chapter

- 1) S. Ridolfi. "Portable Systems for Energy Dispersive X Ray Fluorescence Analysis" on Encyclopedia of Analytical Chemistry John Wiley & Sons, Ltd 2017 DOI: 10.1002/9780470027318.a6803.pub3

Chapters in Books for Scientific Dissemination

- 1) S. Ridolfi, S. Crescenzi (2017). "Il ritratto di Donna Franca Florio, il genio del Canonica visto attraverso le indagini scientifiche", chapter from "La bellezza scolpita, Franca Florio nel ritratto di Pietro Canonica", Gangemi editor ISBN13: 9788849234671
- 2) S. Ridolfi, S. Crescenzi (2016). "La scienza al servizio del restauro, il caso Goldfinger/Miss", chapter from "Rinascita di una Venere, Goldfinger/Miss di Mario Ceroli", Gangemi editor ISBN13: 9788849233322
- 3) S. Ridolfi (2016). "Comparazione di strumenti e metodi di analisi della fluorescenza dei raggi X attraverso le campagne diagnostiche effettuate sui dipinti di Caravaggio", chapter from "Caravaggio, Opere a Roma, Tecnica e Stile, Saggi", Silvana editoriale editor ISBN: 88-366-3430-3
- 4) S. Ridolfi (2016). "Examination and diagnostics carried out on the Back-Vega Crucifixion of St Andrew prior to restoration", chapter from "Caravaggio, The Back-Vega Crucifixion of St Andrew", Skira editor ISBN: 9788857232379
- 5) S. Ridolfi (2016): "Le analisi scientifiche e le indagini di laboratorio, le analisi di Fluorescenza X", chapter from "La Madonna del Soccorso nella Basilica Vaticana", Fabbrica di San Pietro in Vaticano ISBN:9780983729730
- 6) I. Carocci, S. Ridolfi (2015). "Luci e ombre di Antonio Pomarancio: le indagini diagnostiche sulla decollazione del Battista", chapter from "La decollazione del Battista di Antonio Pomarancio, un approccio multidisciplinare per una lettura critica", Stefano Ridolfi editor ISBN:9788892300262
- 7) S. Ridolfi, S. Crescenzi (2015). "La diagnostica non invasiva al servizio della Pendola Urania", chapter from "Le ore dell'imperatore, la pendola Urania del Museo Napoleonico", Gangemi editor ISBN13: 9788849231724
- 8) S. Ridolfi, S. Crescenzi (2015). "Guardare dove l'occhio non può: radiografia e videoendoscopia", chapter from "Potenze naturali, Il Pastore di Arturo Martini", Gangemi editor ISBN13: 9788849230888
- 9) S. Ridolfi (2014). "Analisi non invasive insitu tramite sistema portatile di Fluorescenza X di una raffigurazione di Uрга Mahisasuramardini" chapter from "il D-o Benevolo e la Dea innaccessibile, Sculture dall'india e dal Nepal", Gangemi editor ISBN13: 9788849229493
- 10) S. Ridolfi (2013). "Le indagini diagnostiche come supporto al lavoro della Fondazione Giorgio ed Isa De Chirico", chapter from "Metafisica, quaderni della Fondazione Giorgio ed Isa De Chirico", Maretti Editor ISBN: 978888977656
- 11) C. Giardino, G. Guida, M. Vidale, S. Ridolfi (2012). "The peculiar material of the Goa Made artifacts", chapter from "Goa Made, An archaeological discovery", L'Erma editor ISBN: 9788882657352
- 12) V. Fassina, S. Ridolfi, I. Carocci (2011). "Indagini non invasive in fluorescenza ultravioletta e spettrometria in fluorescenza X sugli affreschi del tamburo e della cupola di Giusto de'Menabuoi nel Battistero del Duomo di Padova", chapter from "Da Guariento a Giusto de'Menabuoi, Studi, ricerche e restauri", Antigaedizioni editor ISBN:9788888997773
- 13) S. Ridolfi (2011). "Sintesi dei risultati dell'analisi della fluorescenza dei raggi X (XRF)", chapter from "Caravaggio, la Cappella Contarelli", Munus editor ISBN:9788882656157

- 14) F.Aramini, S.Ridolfi, F.Talarico, M.Torre (2011). "Analisi non distruttive e diagnostica per immagini", chapter from "La luce e il mistero, la Madonna di Senigallia nella sua città", Il lavoro editoriale editor EAN: 9788876636462
- 15) N.Gabrielli, S.Ridolfi, I.Carocci (2011). "Le Indagini Diagnostiche", chapter from "La Madonna dei poveri di Seminara, Il culto, la storia dell'arte, il restauro", Rubbettino editor 2011, ISBN: 9788849830958
- 16) S.Ridolfi, I.Carocci (2009). "La diagnostica non invasiva: San Barnaba presenta San Paolo a San Pietro", chapter from "Le ami ed il volto di San Pietro, nella pittura di Antonio Cavallucci" Capitolo Vaticano Editor ISBN: 9788863390070
- 17) S.Ridolfi, I.Carocci (2009). "Il Tabernacolo del Sacramento, diagnostica di supporto al resauo", chapter from "Tabernacolo di Donatello, Museo storico artistico del Tesoro di San Pietro" Capitolo Vaticano Editor ISBN: 9788863390087
- 18) G.Guida, S.Ridolfi, D.Artioli, G.E.Gigante (2005). "Indagini non distruttive per il restauro del Satiro di Mazara del Vallo", chapter from "Il Satiro Danzante di Mazara del Vallo, il restauro e l'immagine", Electa Napoli editor ISBN:8851001936

IAEA Publications

- 1) "Optimization of portable systems for energy dispersive X ray fluorescence analysis of paintings" in "In situ applications of X ray fluorescence techniques", IAEA-TECDOC-1456
- 2) "Analysis of pre-Columbian and contemporary gold alloys availing of EDXRF" in "Integration of Nuclear Spectrometry Methods as a New Approach to Material Research", IAEA-TECDOC-1669
- 3) "Analysis of paintings and alloys with portable EDXRF-equipments" in XRF-NL-13
- 4) "Analyses on stone monuments availing of EDXRF systems" in XRF-NL-17
- 5) "Portable XRF Systems for the Analysis of Outdoor Bronze Equestrian Statues" in XRF-NL-21
- 6) " Portable EDXRF in a multi-technique approach for the analyses of large paintings" in XRF-NL-26

Conference proceedings

- 1) M.L.Saladino, et al (2017). "A physical-chemical approach to the investigation of Objects of artistic and archeological interest", XXVI Congresso Nazionale della Società Chimica Italiana, Paestum Italy.
- 2) M.L.Saladino, S.Ridolfi, D.C.Martino, F.Armetta, S.Bastone, V.Renda, G.Chirco, S.Caramanna, E.Caponetti (2017). "A multi-analytical non-invasive and micro-invasive approach to oil paintings on canvas or wood. General considerations from some specific cases", XXVI Congresso Nazionale della Società Chimica Italiana, Paestum Italy.
- 3) R.Cesareo, S.Ridolfi, A.Brunetti, G.E.Gigante (2017). "3D Imaging of artefacts by EDXRF scanning " Technart 2017. Bilbao, Portugal.
- 4) R.Cesareo, et al (2017). "Brazing and soldering of gold and silver by the
- 5) R.Cesareo, et al (2017). "Gilding thickness measurement using EDXRF analyses" Metroarchoe 2017. Lecce Italy.
- 6) E.Caponetti, M.L. Saladino, V.Renda, F.Armetta S.Ridolfi, S.Tusa (2017). "Investigation of eight helmets founded in three different sicilian underwater archaeological sites" Metroarchoe 2017. Lecce Italy.
- 7) R.Cesareo, S.Ridolfi, A.Brunetti, G.E.Gigante, R.T.Lopes (2017). "3D Imaging of paintings by scanning with a portable EDXRF device" Metroarchoe 2017. Lecce Italy.
- 8) R.Cesareo, et al (2017). "Brazing and soldering of gold and silver by the Moche tombs Senor de Sipan and senora de Cao" Metroarchoe 2017. Lecce Italy.
- 9) S.Ridolfi, (2017). "Non invasive and microinvasive diagnostic analyses at the service of the Cultural Heritage market: Hints, Trends and case studies" Metroarchoe 2017. Lecce Italy.
- 10) A.Segimiro, S.Segimiro, G.Mastrotisi, S.Ridolfi, (2017). "La capella di Maia del Museo Egizio di Torino: problematiche di movimentazione e restauro di uno strappo tridimensionale" IGILC 2017 Lo Stato dell'Arte. Bari Italy.
- 11) R.Cesareo, A.Bustamante, S.Ridolfi, R.F.Jordan. S.Azeredo, R.T.Lopes (2017). "Study of gold silver amalgamation by the Moche in the tomb of the lady of Cao through the use of Macro-XRF scanner" ICXOM24 Trieste Italy.
- 12) R.Cesareo, S.Ridolfi, R.T.Lopes. S.Azeredo, G.E.Gigante (2017). "A compact and light EDXRF scanner for small Art Object and modeling testing" ICXOM24 Trieste Italy.
- 13) S.Younsi, S.Ridolfi, G.E.Gigante, N.Schiavon (2017). "Non invasive spectroscopic and imaging techniques for the investigation of ancient and modern pigments using IR false color, XRF, Fors and Raman" Art17 Turin Italy.
- 14) Md.Ashiqur Rahman, S.Ridolfi, G.E.Gigante, N.Schiavon (2017). "Low cost, battery powered, arduino driven data logger for in situ moisture measurements in Cultural Heritage" Art17 Turin Italy.

- 15) F.Niccolai, A.Amato, F.Bitti, S.Gozi, J.Ravagli, S.Ridolfi (2016). "Comparison between different quantification methods for the analysis of precious alloy by EDXRF" EXRS 2016 Gothenborg, Sweden.
- 16) E.Ndrecka, N.Civici, I.Gjipali, F.Niccolai, S.Ridolfi (2016). "Investigation of pottery from different Neolithic sites in southeast Albania using X-Ray techniques" EXRS 2016 Gothenborg, Sweden.
- 17) M.Laurenzi Tabasso, S.Ridolfi (2016)."PCA Analysis applied to the study of the surface coating of stone monuments in Persepolis", CMA4CH 2016 Rome, Italy.
- 18) S.Ridolfi, M.G.Kvascev, V.Andric, D.Korolija (2015). "The development of portable instruments within the framework of a bilater project Italy-Serbia", TECHNART15, Catania, Italy.
- 19) M.L.Saladino, S.Ridolfi, I.Carocci, G.Chirco, S.Caramanna, E.Caponetti (2015). "A multi disciplinary investigation of the Tavolette fuori posto of the main hall wooden ceiling of the Steri", TECHNART15, Catania, Italy.
- 20) S.Ridolfi, I.Carocci, E.Caponetti, D. Chillura Martino, B.Agrò (2015). "Il Velario of Bivona: a useful case study on the use of portable non invasive techniques for in situ analyses", TECHNART15, Catania, Italy.
- 21) R.Cesareo, A.Bustamante, J.Fabian, S.Del Pilar Zambrano, R.F.Jordan, A.Fernandez, S.Ridolfi (2015). "Gilded copper studies by non Destructive EDXRF", TECHNART15, Catania, Italy.
- 22) S.Crescenzi, R.Bellatreccia, I.Carocci, R.Porfiri, S.Ridolfi (2015). "Team work in Cultural Heritage: A necessity that becomes a rule", Diagnosis for the Conservation and Valorization of Cultural Heritage", VI Conference, Naples, Italy
- 23) A.Brunetto, S.Ridolfi, I.Carocci, B.Mazzei (2015). "Trattamento di rimozione laser dalle pitture murali di due arcosoli nella catacomba di Domitilla" APLAR 5 Roma, Italy
- 24) S. Ridolfi, F. De Chirico, F. Zalabra, I. Carocci, B. Bruni, L. Casaglio (2014). "The key role of diagnostic applied to Cultural Heritage to teach science to beginners. The case of the Paciano altarpiece of Signorelli", Art'14, Madrid, Spain.
- 25) I. Carocci, S. Ridolfi, V. Fassina (2012)." La Diagnostica non invasiva per la conservazione preventiva: il caso della cupola del Menabuoi nel Battistero di Padova (XIV secolo)", IGILC 2012 - Lo Stato dell'Arte 10. Roma, Italy.
- 26) G.E. Gigante, S. Ridolfi (2012)." Multivariate Analyses as a Necessary Tool to Improve the XRF Data Treatment", CMA4CH 2012, Rome, Italy.
- 27) M. Marabelli, A. Mannaioli, S. Ridolfi, M.P. Sammartino (2012)." Diagnostics Applied to an Easel Painting by Ferrau' Fenzoni (Cathedral of Todi)", CMA4CH 2012, Rome, Italy.
- 28) F. De Chirico, G. Mantella, S. Guido, S. Ridolfi, I. Carocci (2011). "Il Restauro della Madonna di Seminara", IGILC 2011 - Lo Stato dell'Arte 9. Cosenza, Italy.
- 29) S. Ridolfi, N. Civici, E. Caushi, I. Carocci (2011). "Saint Mary Blachernae church in Berati Castle, Albania, EDXRF and UV analyses of wall paintings", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 30) S.Ridolfi, C.Parisot (2011). "Non-invasive and micro-invasive analysis at the Modigliani Institute Archives Legales Paris-Rome, ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 31) V.Fassina, S.Ridolfi, P.Cornale (2011). "Sulphur-concentration analyses carried out on the facade of the Scrovegni Chapel in Padua", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 32) S.Ridolfi, C.Giardino, G.E.Gigante, G.Guida (2011). "The use of FP-EDXRF for the analysis of pre-prothohistorical bronzes: measurement campaigns in Italy", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 33) S. Ridolfi, V.Fassina (2011). "Non invasive analysis with a portable EDXRF system on the Ferrazzi's and Saetti's frescos in the Palace of Bo' in Padua", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 34) S. Ridolfi, V.Fassina (2011). "Energy Dispersive X Ray Fluorescence Analysis of the zodiacal elements of the Dondi astronomical clock in Padua", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 35) S.Ridolfi, K.Buttler, G.Wolf, H.Vincent, I.Carocci (2011). "Non-invasive analyses on Peter Paul Rubens's painting "Saint Gregory the Great surrounded by the Saints Papianus, Maurus, Flavia Domitilla, Nereus, and Achilleus" in the Musee de Grenoble", ART2011 - 10th International Conference, 2011 Firenze, Italy.
- 36) G.E. Gigante, M. Marabelli, R. Cesareo, S. Ridolfi (2009). "Strategy in the preservation of metal monuments of ancient and modern age: the role of x ray techniques", Avances en analisis por tecnicas de rayos X, volume 15, 2009 ed. Facultad de Matematica, Astronomia y Fisica, Cordoba-Argentina ISSN 1515-1565, SARX 2008 proceedings Cabo Frio, Rio de Janeiro.

- 37) V. Fassina, M. Mazza, I. Carocci, S. Ridolfi (2008). "Diagnostic Analysis of an Outdoor Fresco: The Case of "Santa Maria dei Battuti" of the Conegliano Cathedral", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 38) M.L. Mascelloni, G. Cerichelli, S. Ridolfi (2008). "A Multi-Disciplinary Approach to the Study of an Assemblage of Copper Based Finds Assigned to the Prehistory and Proto-History of Fucino, Abruzzo, Italy", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 39) L. Morigi, S. Ridolfi (2008). "Study of the Quaternary Alloys in the Cast of the Equestrian Statue of Bartolomeo Colleoni by Andrea Del Verrocchio (Venice 1480) Availing of EDXRF Systems", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 40) G. Greco, S. Ridolfi, G. Carotenuto, B. Ferrara, M. Franco (2008). "The Sanctuary of Hera at River Sele Mouth: Non-Destructive Analysis of Archaeological Finds", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 41) M. Stojanovic, P. Petrovic, S. Ridolfi (2008). "Paja Jovanovic: A Painter from Serbia - A Data Base of Pigments", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 42) D. Di Castro, A. Morelli, S. Ridolfi (2008). "The Ascarelli Crown in Rome's Jewish Museum, Historical and Artistic Considerations and Non-Invasive EDXRF Diagnostic Investigations", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 43) R. Cesareo, A. Brunetti, S. Ridolfi (2008). "Determination of Gold Leaf Thickness of Pre-Colombian Gilded Copper Objects by Energy-Dispersive X-Ray Fluorescence Spectra", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 44) S. Ridolfi (2008). "Definition of Standard Procedures for the Diagnostic Analysis of Marble Surfaces in Indoor Environments: The Case Study of the "Veiled Christ" (1753) in Naples", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 45) G.E. Gigante, D. Artioli, D. Ferro, N. Gabrielli, G. Guida, S. Guido, M. Guiso, G. Mantella, S. Ridolfi (2008). "Restoration of the Funeral Monument of Pope Sixtus IV by Antonio Pollaiuolo (1493) in the Vatican Basilica: Non Invasive and microdestructive Analysis - An Operation Protocol", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 46) L. Botti, D. Ferro, G. Impagliazzo, M. Placido, L. Residori, S. Ridolfi, D. Ruggiero, M.T. Tanasi (2008). "Study of Some Albumen Photographic Prints", ART2008 - 9th International Conference, 2008 Jerusalem, Israel.
- 47) S. Ridolfi (2008). "Analisi di materiale lapideo tramite sistema portatile di Fluorescenza X: il caso del "Cristo Velato" nella Cappella Sansevero di Napoli.", DIACOMAST08, Naples Italy.
- 48) S. Ridolfi, V. Fassina, I. Carocci (2008). "Diagnostic survey of outdoor frescos: synergy among scientists and restorers.", I meeting internazionale Youth in Conservation of Cultural Heritage - YOCOCU Rome Italy.
- 49) C. Giardino, G. Guida, S. Ridolfi (2007). "The Prehistoric Metals From Oman: New Data", 2nd international conference "Archaeometallurgy in Europe, Grado, Italy.
- 50) R. Cesareo, G.E. Gigante, S. Ridolfi (2007). "L'utilizzo della fluorescenza X nell'analisi di bronzi antichi", 93th Congresso Nazionale "Societa' Italiana di Fisica", Pisa, Italy.
- 51) S. Ridolfi et al (2006). "Progetto SAIME per la determinazione del titolo dell'oro nelle leghe per oreficeria: criteri per la scelta di uno strumento basato sulla fluorescenza X", 31th Convegno Nazionale AIM, Milan, Italy.
- 52) S. Ridolfi et al (2006). "SAIME: Study and development of innovative analysis methods for determining gold in precious metal alloys by EDXRF", European Conference on X-Ray Spectrometry EXRS06, Paris, France.
- 53) R. Cesareo, S. Ridolfi, A. Castellano, M. Donativi, G. Buccolieri, G. Palamà, S. Quarta (2006). "Measurement of gold leaf thickness by attenuation or self attenuation of X Rays", European Conference on X-Ray Spectrometry EXRS06, Paris, Francia.
- 54) G.E. Gigante, S. Ridolfi (2006). "In site EDXRF archaeometric measurements of the golden globe on top of San Peter Dome in Rome", European Conference on X-Ray Spectrometry, EXRS06, Parigi, France.
- 55) R. Cesareo et al (2006). "Portable micro-XRF equipment with a polycapillary conic collimator", European Conference on X-Ray Spectrometry EXRS06, Paris, France.
- 56) S. Ridolfi et al (2006). "Analysis for cleaning and protection from vandals' smear on stone-like materials availing of a specifically assembled portable EDXRF system", European Conference on X-Ray Spectrometry EXRS06, Paris, France.
- 57) G. Molin et al (2005). "Potenzialità dell'indagine XRF nella diagnostica di opere pittoriche ad affresco", Convegno Nazionale AIAR, Innovazioni Tecnologiche per i Beni Culturali in Italia, Caserta, Italy.
- 58) S. Ridolfi, C. Seccaroni, C. Viviani (2005). "Characterization of the combined use of two yellow pigments derived from lead and antimony by applying the FP-EDXRF technique to the analysis of a painting dating from the second half of the XVII century.", ART05, Lecce, Italia.
- 59) L. Botti et al (2005). "A particularly serious state of degradation of a group of historical

documents: the use of a portable EDXRF device to study the phenomenon.", ART05, Lecce, Italy.

- 60) S.Ridolfi, R.Ciarla, G.Guida (2005). "The Use of Non-Destructive Techniques to define the components of the alloy and patina in a Chinese bronze finishing, in the form of a Taotie Mask (X-VIII Centuries B.C.)", ART05, Lecce, Italy.
- 61) D.Radeglia, S. Ridolfi (2004). "Il Cielo d'argento. Un prezioso restauro dalla basilica di San Nicola a Bari. Multimedialità come fruibilità", Conferenza Italiana sui sistemi intelligenti, Perugia, Italy.
- 62) G.S.Korres, G.E.Gigante, S.Ridolfi (2004). "Archeometallurgical studies with a movable EDXRF spectrometer on Messenian Gold", Archaeometry04, Saragoza, Spain.
- 63) G.E.Gigante, S.Ridolfi (2004). "Investigation of big bronze artifacts using destructive and non destructive techniques", European Conference on X-Ray Spectrometry EXRS04, Alghero, Italy.
- 64) S.Ridolfi, C.Seccaroni (2004). "EDXRF analysis of a work of art made from various materials: Teramo cathedral's silver antependium", European Conference on X-Ray Spectrometry EXRS04, Alghero, Italy.
- 65) R.Pani, P.Bennati, M.N.Cinti, R.Pellegrini, M.Betti, S.Ridolfi, N.Lanconelli, A.Karimian, F.Garibaldi, F.Cusanno, M.Marini, F.De Notaristefani (2004). "Imaging characteristics comparison of compact pixellated detectors for Scintimammography". IEEE Medical Imaging Conference (MIC) Rome, Italy.
- 66) G.E.Gigante, S.Ridolfi, G.Visco, G.Guida (2003). "Appraisal of the new approach to the archaeometric study of ancient metal artifacts by the use of movable EDXRF equipments": "Archaeometallurgy in Europe", Milan, Italy.
- 67) R.Pani, R.Pellegrini, M.N.Cinti, C.Trotta, G.Trotta, R.Scafà, L.D'Addio, G.Iurlaro, L.Montani, P.Bennati, S.Ridolfi, F.Cusanno, F.Garibaldi (2003). "Factors affecting Flat Panel PMT Calibration for Gamma Ray Imaging", IEEE NSS-MIC Conference Record, Vol. 2.
- 68) G.E.Gigante, S.Ridolfi, P.Canegallo (2003). "Analisi quantitative di ottoni ed acciai mediante EDXRF con l'impiego di un sistema portatile dedicato", 10th National Congress AIPnD Ravenna, Italy.
- 69) G.E.Gigante, G.Guida, S.Ridolfi (2002). "Energy-dispersive X-ray fluorescence (EDXRF) as applied to the investigation of big bronze works." ART02 7th International Conference on Non-destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage, Antwerp, Belgium

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 10/11/2020

Signature

