

## La RTI et l'archéologie

1. Méaudre, Jean-Charles, et Mickael Bouhier. « Elaboration d'un outil d'acquisition RTI open source (Reflectance Transformation Imaging) ». Université de Caen, Normandie, France, 2023. <https://hal.science/hal-04050555>.
2. Kinsman, Ted. « An Easy to Build Reflectance Transformation Imaging (RTI) System ». *Journal of Biocommunication*40, n° 1: 10-14. <https://doi.org/10.5210/jbc.v40i1.6625>.
3. Malzbender, Tom, Dan Gelb, et Hans Wolters. « Polynomial Texture Maps ». In *Proceedings of the 28th Annual Conference on Computer Graphics and Interactive Techniques*, 519-28. Association for Computing Machinery, NY, 2001. <https://doi.org/10.1145/383259.383320>.
4. Earl, Graeme, Gareth Beale, Kirk Martinez, et Hembo Pagi. « Polynomial Texture Mapping and Related Imaging Technologies for the Recording, Analysis and Presentation of Archeological Materials ». In *Proceedings of the ISPRS Commission V Mid-Term Symposium « Close Range Image Measurement Techniques »*, édité par J.P. Mills, D.M. Barber, P.E. Miller, et I. Newton, XXXVIII:218-23. WG V/2 - Cultural Heritage Data Acquisition and Processing. Newcastle upon Tyne, United Kingdom, 2010. <https://www.isprs.org/proceedings/XXXVIII/part5/>.
5. Earl, Graeme, Kirk Martinez, et Tom Malzbender. « Archaeological Applications of Polynomial Texture Mapping: Analysis, Conservation and Representation ». *Journal of Archaeological Science* 37, n° 8 (août 2010): 2040-50. <https://doi.org/10.1016/j.jas.2010.03.009>.
6. Duffy, Sarah M., Tom Goskar, et Hannah Kennedy. *Multi-Light Imaging : Highlight-Reflectance Transformation Imaging (H-RTI) for Cultural Heritage*. 2<sup>e</sup> éd. Surveying and Recording Heritage. Historic England, 2018. <https://historicengland.org.uk/advice/technical-advice/recording-heritage/>.
7. Dellepiane, Matteo, Massimiliano Corsini, Marco Callieri, et Roberto Scopigno. « High Quality PTM Acquisition: Reflection Transformation Imaging for Large Objects ». In *VAST: International Symposium on Virtual Reality, Archaeology and Intelligent Cultural Heritage*, édité par M. Ioannides, D. Arnold, F. Niccolucci, et K. Mania, 179-86, 2006. <https://doi.org/10.2312/VAST/VAST06/179-186>.

8. Earl, Graeme, Philip Basford, Alexander Bischoff, Alan Robert Bowman, Charles Crowther, Jacob Dahl, Michael Hodgson, et al. « Reflectance Transformation Imaging Systems for Ancient Documentary Artefacts ». In *Electronic Workshops in Computing*, 147-54. London, UK: BCS Learning and Development Ltd., 2011. <https://doi.org/10.14236/ewic/EVA2011.27>.
9. Mudge, Mark, Carla Schroer, Graeme Earl, Kirk Martinez, Hembo Pagi, Corey Toler-Franklin, Szymon Rusinkiewicz, et al. « Photography-Based Digital Imaging Techniques for Museums ». In *VAST: 11th International Symposium on Virtual Reality, Archaeology and Intelligent Cultural Heritage - Short and Project Papers*, 111-37. Paris: The Eurographics Association, 2010. <http://diglib.eg.org/handle/10.2312/PE.VAST.VAST10S.111-137>.
10. Siatou, Amalia, Marvin Nurit, Yuly Castro, Gaëtan Le Goïc, Laura Brambilla, Christian Degryny, et Alamin Mansouri. « New Methodological Approaches in Reflectance Transformation Imaging Applications for Conservation Documentation of Cultural Heritage Metal Objects ». *Journal of Cultural Heritage* 58 (novembre 2022): 274-83. <https://doi.org/10.1016/j.culher.2022.10.011>.
11. Ponchio, Federico, Massimiliano Corsini, et Roberto Scopigno. « RELIGHT: A Compact and Accurate RTI Representation for the Web ». *Graphical Models* 105 (septembre 2019). <https://doi.org/10.1016/j.gmod.2019.101040>.
12. Ponchio, Federico, Massimiliano Corsini, et Roberto Scopigno. « A Compact Representation of Relightable Images for the Web ». In *Proceedings of the 23rd International ACM Conference on 3D Web Technology*. Poznań, Poland: Association for Computing Machinery, NY, 2018. <https://doi.org/10.1145/3208806.3208820>. <https://vcq.isti.cnr.it/relight/presentation/index.html>
13. Mytum, Harold, et J. R. Peterson. « The Application of Reflectance Transformation Imaging (RTI) in Historical Archaeology ». *Historical Archaeology* 52, n° 2 (juin 2018): 489-503. <https://doi.org/10.1007/s41636-018-0107-x>.
14. Kotoula, Eleni, et Earl Graeme. « Integrated RTI Approaches for the Study of Painted Surfaces ». In *CAA 2014 : 21st Century Archaeology : Concepts, Methods and Tools : Proceedings of the 42nd Annual Conference on Computer Applications and Quantitative Methods in Archaeology*, édité par François Giligny, François Djindjian, Laurent Jacques Costa, Paola Moscati, et Sandrine Robert, 123-34. Oxford:

Archaeopress,

2015. [https://www.academia.edu/7078660/Integrated\\_RTI\\_approaches\\_for\\_the\\_study\\_of\\_painted\\_surfaces](https://www.academia.edu/7078660/Integrated_RTI_approaches_for_the_study_of_painted_surfaces).

15. Vanweddigen, Vincent, Chris Vastenhou, Marc Proesmans, Hendrik Hameeuw, Bruno Vandermeulen, Athena Van Der Perre, Frederic Lemmers, Lieve Watteeuw, et Luc Van Gool. « A Status Quaestionis and Future Solutions for Using Multi-Light Reflectance Imaging Approaches for Preserving Cultural Heritage Artifacts ». In Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection, édité par Marinos Ioannides, Eleanor Fink, Raffaella Brumana, Petros Patias, Anastasios Doulamis, João Martins, et Manolis Wallace, 204-11. Lecture Notes in Computer Science 11197. Cham,: Springer International Publishing, 2018. [https://doi.org/10.1007/978-3-030-01765-1\\_23](https://doi.org/10.1007/978-3-030-01765-1_23).

### Étude de cas

1. Florindi, Silvia, Anna Revedin, Biancamaria Aranguren, et Vincenzo Palleschi. « Application of Reflectance Transformation Imaging to Experimental Archaeology Studies ». *Heritage* 3, n° 4 (31 octobre 2020): 1279-86. <https://doi.org/10.3390/heritage3040070>.
2. Artal-Isbrand, Paula, Philip Klausmeyer, et Winifred Murray. « An Evaluation of Decorative Techniques on a Red-Figure Attic Vase from the Worcester Art Museum Using Reflectance Transformation Imaging (RTI) and Confocal Microscopy with a Special Focus on the “Relief Line” ». Symposium WW – Materials Issues in Art and Archaeology IX, MRS Online Proceedings Library (OPL), 1319 (2011). <https://doi.org/10.1557/opl.2011.793>.
3. Kotoula, Eleni, et Maria Kyranoudi. « Study of Ancient Greek and Roman Coins Using Reflectance Transformation Imaging ». *E-Conservation Magazine*, 2013. [https://www.academia.edu/3515894/Study\\_of\\_Ancient\\_Greek\\_and\\_Roman\\_coins\\_using\\_Reflectance\\_Transformation\\_Imaging](https://www.academia.edu/3515894/Study_of_Ancient_Greek_and_Roman_coins_using_Reflectance_Transformation_Imaging).
4. Bennison-Chapman, Lucy E., et Lori D. Hager. « Tracking the Division of Labour through Handprints: Applying Reflectance Transformation Imaging (RTI) to Clay ‘tokens’ in Neolithic West Asia ». *Journal of Archaeological Science* 99 (novembre 2018): 112-23. <https://doi.org/10.1016/j.jas.2018.09.004>.

5. Davis, Bob, Phil Harding, et Matt Leivers. « Reflectance Transformation Imaging (RTI) Investigation of Engraved Chalk Plaques from the Stonehenge Region ». *Proceedings of the Prehistoric Society* 87 (28 octobre 2021): 133-60. <https://doi.org/10.1017/ppr.2021.13>.
6. Min, Jihyun, Sanghoon Jeong, Kangwoo Park, Yeonghwan Choi, Daewon Lee, Jaehong Ahn, Donghwan Har, et Sangdoon Ahn. « Reflectance Transformation Imaging for Documenting Changes through Treatment of Joseon Dynasty Coins ». *Heritage Science* 9, n° 1 (décembre 2021): 105. <https://doi.org/10.1186/s40494-021-00584-3>.
7. Gabov, Alexander, et George Bevan. « Recording the Weathering of Outdoor Stone Monuments Using Reflectance Transformation Imaging (RTI): The Case of the Guild of All Arts (Scarborough, Ontario) ». *Journal of the Canadian Association for Conservation and Restoration* 36 (2011): 3-14. [https://www.cac-accr.ca/wp-content/uploads/2018/12/Vol36\\_Doc1.pdf](https://www.cac-accr.ca/wp-content/uploads/2018/12/Vol36_Doc1.pdf)
8. Desmond, Abigail, Ian Cartwright, et Richard Allen. « Documenting Functional Use-Wear on Bone Tools: An RTI Approach ». *Journal of Computer Applications in Archaeology* 4, n° 1 (22 octobre 2021): 214-29. <https://doi.org/10.5334/jcaa.80>.
9. Jäger, Kai, Helmut Tischlinger, Georg Oleschinski, et P. Martin Sander. « Goldfuß Was Right: Soft Part Preservation in the Late Jurassic Pterosaur Scaphognathus Crassirostris Revealed by Reflectance Transformation Imaging (RTI) and UV Light and the Auspicious Beginnings of Paleo-Art ». *Palaeontologia Electronica*, n° 21.3.4T (13 octobre 2018): 1-20. <https://doi.org/10.26879/713>.
10. Lech, Paweł, Marcin Matera, et Piotr Zakrzewski. « Using Reflectance Transformation Imaging (RTI) to Document Ancient Amphora Stamps from Tanais, Russia. Reflections on First Approach to Their Digitalisation ». *Journal of Archaeological Science: Reports* 36 (avril 2021): 102839. <https://doi.org/10.1016/j.jasrep.2021.102839>.
11. MacDonald, Lindsay W. « Visualising an Egyptian Artefact in 3D: Comparing RTI with Laser Scanning ». In *Electronic Workshops in Computing*, 155-62. London, UK: BCS Learning and Development Ltd., 2011. <https://doi.org/10.14236/ewic/EVA2011.28>.
12. Fiorini, Andrea. « Il metodo fotografico RTI (Reflectance Transformation Imaging) per la documentazione delle superfici archeologiche. L'applicazione ai materiali di età

protostorica ». *Archeologia e Calcolatori* 29 (2018):  
241-58. <https://doi.org/10.19282/ac.29.2018.20>.

### **Manuels d'utilisation du matériel et des logiciels**

- Cultural Heritage Imaging. « RTI : Glossary of Photographic and Technical Terms ». Glossaire, 2014. [https://culturalheritageimaging.org/What\\_We\\_Offer/Downloads/Capture/index.html](https://culturalheritageimaging.org/What_We_Offer/Downloads/Capture/index.html).
- ———. « RTI : Guide to Highlight Image Capture v2.0 ». Guide, 2013. [https://culturalheritageimaging.org/What\\_We\\_Offer/Downloads/Capture/index.html](https://culturalheritageimaging.org/What_We_Offer/Downloads/Capture/index.html).
- ———. « RTI : Guide to Highlight Image Processing v1.4 ». Guide, 2011. [https://culturalheritageimaging.org/What\\_We\\_Offer/Downloads/View/index.html](https://culturalheritageimaging.org/What_We_Offer/Downloads/View/index.html).
- ———. « RTI : Guide to RTIViewer ». Guide, 2013. [https://culturalheritageimaging.org/What\\_We\\_Offer/Downloads/Process/index.html](https://culturalheritageimaging.org/What_We_Offer/Downloads/Process/index.html).