

## 1. **Bercigli, Monica**

- Female
- Date of the CV: August, 12<sup>h</sup> 2019

2. **Birth date:** September, 4<sup>th</sup> 1989, **Birth Place:** Florence (Italy),

3. **Nationality:** Italian

Dr. Monica Bercigli is Architect and PhD Europaeus at the Department of Architecture DIDA of the Faculty of Architecture in Florence (Italy).

She graduated in December 2014 at the Faculty of Architecture in Florence (Italy), five-years Master's Degree in Architecture with a thesis titled "The documentation of the headquarters of Herod's Palace in Masada, Israele: 3d modeling and experiences of "augmented reality", supervisor Prof. Stefano Bertocci.

In September 2015 Dr. Monica Bercigli won the admission at PhD Programme with a 3-year scholarship of the Italian Ministry of Education - XXXI cycle - 2015/2018 in "Architecture", curriculum of "Survey and Representation of Architecture and Environment", Disciplinary sector ICAR 17.

She finished her PhD three years-course on November 2018, and she defended her PhD. thesis in March 2019 (dissertation both in Italian and English), with the "Excellent" highest vote. Title of PhD thesis: "*Sistemi di fruizione virtuale e serious game per la valorizzazione e la diffusione del Patrimonio. Masada: la fortezza del deserto*" (english translation: " Virtual fruition systems and serious game for enhancement and dissemination of the Heritage. Masada: the desert fortress ") supervisor Prof. Stefano Bertocci.

The commission assessed her work with honours and she has been also awarded the additional qualification of "Doctor Europaeus" (official PhD certificate "*The topics and arguments of the PhD thesis are very original and relevant for the scientific community. The scientific methodologies appear conform and effective. The scientific results are interesting and analysed by the researcher with an excellent critical approach. During the dissertation the candidate demonstrate and excellent knowledge of the problematics and scientific aspects of the research. The candidate demonstrates that she has the complete requirements for acquire the title of PhD. with the additional title of Doctor Europaeus*").

She has worked within the Department of Architecture DIDA of the University of Florence as Teaching Assistant (TA) and Lecturer related to the Courses of "Survey Architecture" (2014-ongoing) and the school "Scuola di specializzazione in Beni architettonici e del Paesaggio" (2015-ongoing) of Prof. Stefano Bertocci

Since 2014 she collaborates with the staff of the LS3D Laboratory of Landscape Survey & Design, for which Professor Stefano Bertocci is responsible she is involved as collaborator and survey technician in international research missions promoted by the United Nations Development Programme (UNDP); She also collaborated on the MRP – Masada Research Project, coordinating the survey activities of the archaeological site of Masada in Israel, an area under the UNESCO World Heritage List.

### **Academic Qualifications**

2008 – 2014	5-year Master Degree in <i>Architecture</i> , Faculty of Architecture, University of Florence
2015 – 2019	PhD in <i>Architecture</i> , curriculum <i>Survey and Representation of Architecture and Environment</i> , DIDA-Department of Architecture, University of Florence

### **Main Publications**

#### **International peer-reviewed journal articles**

1. **Bercigli M.** (2019) *Dissemination Strategies for Cultural Heritage: The Case of the Tomb of Zechariah in Jerusalem, Israel.* Heritage 2019, 2, 306-314. ISSN: 2571-9408
2. Bertocci S., **Bercigli M.**, Bigongiari M. & Moschetti V. (2018) *Rereading to Rewrite: Documentation and Requalification of Mediterranean Historical Centers, Jerusalem and Taranto Case,* in Athens Journal of Architecture, Volume 4, Issue 3, July. e-ISSN: 2407-9472

3. Parrinello S., Bursich D., **Bercigli M.** (2017) *From survey to 3d model and from 3d model to "videogame". The virtual reconstruction of a Roman Camp in Masada, Israel.* In Disegnarecon, Volume 10/n.19. ISSN: 1828-5961
4. Parrinello S., Picchio F., **Bercigli M.** (2016). *The 'migration' of reality in virtual scenarios: databases and documentation systems for the musealization of complex environments.* In DisegnareCon, Volume 9/n.17. ISSN: 1828-5961

#### International peer- reviewed book chapters

5. Picchio F., **Bercigli M.**, De Marco R. (2018) *Digital Scenarios and Virtual Environments for the Representation of Middle Eastern Architecture.* In Carlos L. Marcos (Ed.) *Graphic Imprints. The Influence of Representation and Ideation Tools in Architecture.* Springer International Publishing AG. pp. 541-556. ISBN: 978-3-319-93749-6
6. Bertocci S., **Bercigli M.** (2018) *The Documentation for the Preservation of Great Decorations in "Quadratura" in Noble Palaces of Pontremoli.* In Inglese C. & Ippolito A. (eds.) *Analysis, Conservation, and Restoration of Tangible and Intangible Cultural Heritage.* Pennsylvania: IGI-Global. pp. 86-109. ISBN: 978-15-2256-93-74
7. Bertocci S., **Bercigli M.** (2018) *L'allargamento di Via Calzaiuoli: gli strumenti del rilievo digitale come chiave di interpretazione della documentazione storica.* In Puma P. (ed.) *Firenze, la trasformazione del centro antico.* Firenze: Edifir edizioni Firenze. pp. 38-45
8. **Bercigli M.** (2018) *Diario di un viaggio. La verde Galilea.* In Bertocci S. (Ed.) *Racconti di viaggio. Visioni dalla Terrasanta.* Firenze: DIDApress. pp. 93-95. ISBN: 978-88-3338-030-8
9. **Bercigli M.** (2018) *Belvoir. Basalto nero.* In Bertocci S. (Ed.) *Racconti di viaggio. Visioni dalla Terrasanta.* Firenze: DIDApress pp. 100-103. ISBN: 978-88-3338-030-8
10. **Bercigli M.** (2017) *The transparency of 3D models: the case of the byzantine Church at Masada in Israel* in Empler T. (ed.) *3D Modeling&Bim – Progettazione, Design, proposte per la ricostruzione.* DEI Tipografia del Genio Civile, Roma. pp 164-177. ISBN: 978-88-4964-501-9
11. **Bercigli M.** (2017) *Imparare dalla città vecchia. Learning from the old city* in Pivetta M. (ed.) *Taras, abitare la città vecchia.* Didapress, Firenze. pp. 43-49 ISBN: 978-88-9608-083-2
12. **Bercigli M.**, Dell'Amico A. (2017). *Creacion de un sistema interactivo para la exploracion del modelo 3D* in Parrinello S., Gomez-Blanco Pontes A., Picchio F. (eds.) *El Palacio del Generalife, del levantamiento digital al proyecto de gestion.* Pavia University Press. pp. 144-147. ISBN 978-88-6952-071-6

#### Peer-reviewed conference proceedings

13. **Bercigli M.** (Forthcoming – expected 2019) *The simulated three-dimensionality of video games to disseminate the Heritage.* In Conference proceeding UID2019 "Reflections. The art of drawing | the drawing of art" Perugia (Italy).
14. Bertocci S., **Bercigli M.** (Forthcoming – expected 2019) *Rilievo e considerazioni sulle geometrie delle quadrature di Palazzo Pavesi a Pontremoli.* In L'architettura dipinta: storia, conservazione e rappresentazione digitale. Quadraturismo e grande decorazione nella pittura barocca, Conference Proceeding, Florence (Italy).
15. **Bercigli M.** (Forthcoming – expected 2019) *Masada, the desert fortress. Discovering the archaeological site by gaming.* In Conference proceeding CNHT 2018 Congress Visual Heritage, Wien (Austria).
16. Camiz A., **Bercigli M.** (Forthcoming – expected 2019) *UAV Photogrammetry of large fortifications with low cost tools a Cyprus experience.* In Conference proceeding CNHT 2018 Congress Visual Heritage, Wien (Austria).
17. Bertocci S., **Bercigli M.** (Forthcoming – expected 2019) *Documentation of Masada fortress in Israel: integrated methodologies of survey and representation.* In Computer Applications & Methods in Archeology, CAA 2017 Conference Proceeding, Atlanta (Georgia).
18. **Bercigli M.**, Becherini P. (2018) *Il rilievo integrato per la conoscenza e la valorizzazione. I casi studio di Itanhaem e delle rovine di Abarebebé sulla costa paulista (San Paolo, Brasile).* In *L'intreccio dei saperi per rispettare il passato, interpretare il presente, salvaguardare il futuro*, Conference Proceedings Reuso 2018, Messina (Italia). pp. 105-116. ISBN: 978-88-492-3659-0

19. Bertocci S., Rodriguez-Navarro P., **Bercigli M.** (2018) *New tools for the valorization and dissemination of the results of TOVIVA project*. In *Defensive architecture of the Mediterranean*”, *Conference Proceedings of International Conference on Modern Age Fortifications of the Mediterranean Coast*, Fortmed 2018, Torino (Italia). Vol. IX. pp. 965-971. ISBN: 978-88-85745-12-4
20. **Bercigli M.** (2018) *Il serious game come strumento per la conoscenza e la salvaguardia delle decorazioni a quadratura dei palazzi nobiliari di Pontremoli*. In Salerno R. (Ed.) *Rappresentazione Materiale/Immateriale*, *Conference Proceedings UID 2018*, Milano (Italia). Gangemi Editore International pp. 935-940 ISBN: 978-88-4923-651-4
21. **Bercigli M.** (2017) *Documentation strategy for coastal towers of the Mediterranean: the case of the tower in the archeological site of Saturo (TA-ITA)* in “Defensive architecture of the Mediterranean, XV to XVIII Centuries”, *International Conference on Modern Age Fortifications of the Mediterranean Coast*, Fortmed 2017, Alicante (Spain). Vol. VI. pp. 337-344. ISBN: 978-84-16724-76-5
22. Parrinello S., **Bercigli M.**, De Marco R. (2017) *Gerusalemme Est: I sistemi cartografici 3D per il censimento urbano e di siti monumentali islamici* in “Sobre una arquitectura hecha de tiempo”, *ReUSO 2017*, Granada (Spain). Eug - Editorial Universidad de Granada. Vol.I, pp. 235-241. ISBN: 978-84-338-6131-3
23. **Bercigli M.**, Moschetti V. (2017), *Sulla riva dello Jonio. La ricostruzione del paesaggio dimenticato della città di Taranto* in “Territori e frontiere della rappresentazione”, *UID 2017*, Napoli. Gangemi Editore International. pp. 785-792. ISBN: 987-88-492-3507-4
24. **Bercigli M.** (2016), *Strategie di rilievo per la documentazione di Via Palazzuolo a Firenze*. in “Contributi per la documentazione, conservazione e recupero del patrimonio architettonico e per la tutela paesaggistica”, *Conference Proceeding ReUSO2016*, Pavia. Edifir Edizioni Firenze. pp. 176-181. ISBN: 978-88-7970-816-6
25. **Bercigli M.** (2016), *Progetto di documentazione per la valorizzazione dell’altopiano di Masada: il disegno tridimensionale come strumento di conoscenza per il quartier generale del Palazzo di Erode* in “The reasons of drawing”, *Conference Proceeding UID2016*, Firenze. Gangemi Editore International. pp. 91-98. ISBN 987-88-492-3295-0

### **Invited presentations:**

1. 2018-11-08 - *Rilievo e considerazioni sulle geometrie delle quadrature di Palazzo Pavesi a Pontremoli*, co-authored Stefano Bertocci. *L’architettura dipinta: storia, conservazione e rappresentazione digitale. Quadraturismo e grande decorazione nella pittura barocca*, November 8-9, 2018, Florence (Italy).
2. 2018-11-13 - *UAV Photogrammetry of large fortifications with low cost tools a Cyprus experience*, co-authored Alessandro Camiz. *International Conference CNHT 2018 Congress Visual Heritage*, November 12-15th 2018, Wien (Austria).
3. 2018-11-12 - *Masada, the desert fortress. Discovering the archaeological site by gaming*. *International Conference CNHT 2018 Congress Visual Heritage*, November 12-15th 2018, Wien (Austria).
4. 2018-10-18 - *New tools for the valorisation and dissemination of the results of TOVIVA project*. In *Defensive architecture of the Mediterranean*, co-authored Stefano Bertocci, Pablo Rodriguez-Navarro. *Fortmed 2018 – International Conference on Modern Age Fortifications of the Mediterranean Coast*, October 18-20th 2017, Turin (Italy).
5. 2018-07-23 - *The Integrated Survey For The Knowledge And The Valorization Of The Convent Of Itanhaèm and The Ruins Of Abarebebé (Sao Paulo, Brasil)*, co-authored Pietro Becherini. *International Conference and Summer School Digital Survey in Religious Architecture*, July 23-26th 2018, Lisbon (Portugal).
6. 2018-05-08 - *Digital Survey: a Base for Modelling Virtual and Augmented Reality Systems*. *International workshop: Reading and designing the Kyrenia Castle*, May 6-13th 2018, Girne (Cyprus).
7. 2017-10-27 - *Documentation strategy for coastal towers of the Mediterranean: the case of the tower in the archaeological site of Saturo (TA-ITA)*. *International Conference Fortmed 2017 – International Conference on Modern age Fortifications of the Mediterranean Coast*, October 26-28th 2017 Alicante (Spain).

8. 2017-10-20 - *Gerusalemme Est: I sistemi cartografici 3D per il censimento urbano e di siti monumentali islamici*, co-authored Sandro Parrinello, Raffaella de Marco. International Conference ReUSO 2017 – Conference on documentation, conservation and restoration of the architectural heritage and landscape protection, October 18-21th 2017, Granada (Spain).
9. 2017-09-15 - *Sulla riva dello Jonio. La ricostruzione del paesaggio dimenticato della città di Taranto*, co-authored Vincenzo Moschetti. International Conference UID 2017 – Territori e frontiere della rappresentazione, September 14-16, 2017, Napoli (Italy).
10. 2017-06-07 - *Rereading to Rewrite: Documentation and Requalification of Mediterranean Historical Centers, Jerusalem and Taranto Case*, co-authored with Stefano Bertocci, Matteo Bigongiari, Vincenzo Moschetti. International Conference 7th Annual International conference on Urban Studies & Planning, June 5-8th 2017, Athens (Greece).
11. 2017-03-14 - *Documentation of Masada fortress in Israel: integrated methodologies of survey and representation*, co-authored with Stefano Bertocci. International Conference CAA 2017 – Computer Applications & Methods in Archaeology, March 14-16th 2017, Atlanta (Georgia).
12. 2016-10-07 - *Strategie di rilievo per la documentazione di Via Palazzuolo a Firenze*. International Conference ReUSO 2016 – Conference on documentation, conservation and restoration of the architectural heritage and landscape protection, October 6-8th 2018, Pavia (Italy).

### **Research expeditions:**

- 2019 – May. “Seminario tematico Albania dei piccoli borghi. Un’esperienza formativa sulla conoscenza del patrimonio culturale dei centri d’arte minora dell’Albania” Il Seminario Tematico si è svolto nell’ambito delle attività della Ricerca: “100 Villages. The Diaspora as a Resource for the Knowledge, Preservation and Enhancement of the Lesser Known Cultural Sites in Albania”. The research project is supported by the International Organization for Migration (IOM), under the program “Coinvolgere la Diaspora Albanese nello Sviluppo Sociale ed Economico dell’Albania”, funded by the Italian Agency for Development Cooperation (AICS) and supported by Ministry of Foreign Affairs and International Cooperation (MAECI) of the Italian Republic. In collaboration with Unità di Ricerca Interdipartimentale Florence Accessibility Lab. and LRA Laboratorio di Rilievo dell’Architettura, DidaLabs. Role: Tutor, collaborator and survey technician of digital acquisition and post-production data.
- 2018 – July. “International Summer School “Digital Survey in Religious Architecture, July 23-26th 2018, Lisbon and Evora, Portugal”. Role: Collaborator and survey technician of digital acquisition and post-production data of two monasteries located in Alentejo region, situated around the UNESCO Heritage Site city of Évora. Scientific committee: Alexandra Paio (DINÂMIA’CET-IUL; ISTAR-IUL), João Luís Inglês Fontes (IEM - NOVA FCSH; CEHR-UCP), José Saldanha (DINÂMIA’CET-IUL), Luís Mateus (CIAUD-UL), Paula André (DINÂMIA’CET-IUL), Paulo Simões Rodrigues (CHAIA – UÉvora), Rolando Volzone (DINÂMIA’CET-IUL), Stefano Bertocci (DIDA – UNIFI)
- 2018 – May. “International workshop: Reading and designing the Kyrenia Castle, May 6-13th 2018, Girne, Cyprus”. Role: Tutor, collaborator and survey technician of digital acquisition and post-production data. The research project is promoted by Girne American University, Faculty of Architecture, Design and Fine Arts, Department of Interior Architecture, and International Centre for Heritage Studies, Girne American University Girne, North Cyprus. Scientific coordinators: Assoc. Prof. Dr. Alessandro Camiz (Girne American University), Zeynep Ceylanlı (Özyeğin University), Stefano Bertocci (DIDA – UNIFI), Giorgio Verdiani (DIDA – UNIFI).
- 2017 – September. “Levantamento digital do Clube Paineiras do Murumby (São Paulo-Brasil)”. Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by the FAU-USP Faculdade de Arquitectura e Urbanismo de São Paulo and the University of Florence, DIDA-Department of Architecture.
- 2017 – September. “Levantamento digital do Ruínas of Abarebebe, cidade Peruíbe (São Paulo-Brasil)”. Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by the FAU-USP Faculdade de Arquitectura e Urbanismo de São Paulo and the University of Florence, DIDA-Department of Architecture.

- 2017 – September. “Levantamento digital do Convento de Nossa Senhora da Conceição, cidade Itanhaem (São Paulo-Brasil). Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by the FAU-USP Faculdade de Arquitectura e Urbanismo de São Paulo and the University of Florence, DIDA-Department of Architecture.
- 2017 – August. “Levantamento digital de uma área no centro da cidade de São Paulo (um recorte da Avenida São João, entre a Rua Líbero Badaró e o Largo Paissandú) e o edifício Baraúna” in São Paulo (Brazil). Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by the FAU-USP Faculdade de Arquitectura e Urbanismo de São Paulo and the University of Florence, DIDA-Department of Architecture.
- 2017 – April. Architectural documentation and 3D laser scanner survey of Al-Jazzar mosque in Acre (Israel). Role: Collaborator and survey technician of digital acquisition and post-production data. The research project is promoted by Islamic Development Bank, Welfare Association Tawoon and the LS3D - Landscape, Survey and Design Laboratory (Joint laboratory of the University of Florence and University of Pavia).
- 2017 – April. Digital survey and documentation for the rehabilitation of an area in the city of Sefrou (Morocco). Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by UEMF – Université Euro-Méditerranéenne de Fes (Morocco) with the partnership of University of Florence.
- 2016 - June. Masada Research Project: Digital documentation of historical sites through laser scanning and photogrammetry, in Masada, Israel. Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by Shenkar College of Tel Aviv with the partnership of University of Florence and University of Pavia (Italy).
- 2016 - January. “PURE - Productivity And Urban Renewal In East Jerusalem” Urban And Architectural Survey For The Area And Buildings In Sultan Suleiman And Salah Eddin Streets In Jerusalem (Israel). Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by UNDP, United Nations Development Programme, with the partnership of University of Florence and University of Pavia (Italy).
- 2015 - August. Digital survey for the Architectural Restoration and Rehabilitation Designs, Archaeological Documentation and Orientation Training, including Tender Documents Preparation and Site Supervision for Conservation and Rehabilitation Works of Maqam Al Nabi Musa in Jericho Governorate, Support to Development of Cultural Tourism. Occupied Palestinian territory (Israel). Role: Technical coordinator for the digital survey and post-production data. The research project is promoted by UNDP, United Nations Development Programme, with the partnership of University of Florence and University of Pavia (Italy).
- 2015 - February. Masada International Workshop: Digital documentation of historical sites through laser scanning and photogrammetry, in Masada, Israel. Role: Collaborator and survey technician of digital acquisition and post-production data. The research project is promoted by Shenkar College of Tel Aviv with the partnership of University of Florence and University of Pavia (Italy).
- 2015 - February. Digital documentation of Nativity Church. Second research mission for documentation of the Nativity complex, Bethlehem, Occupied Palestinian territory (Israel). Role: Collaborator and survey technician of digital acquisition and post-production data. The research project is promoted by Piacenti Spa. Restoration Company with the partnership of University of Florence and University of Pavia (Italy).
- 2014 - February. Masada International Workshop: Digital documentation of historical sites through laser scanning and photogrammetry, in Masada, Israel. Role: Collaborator and survey technician of digital acquisition and post-production data. The research project is promoted by Shenkar College of Tel Aviv with the partnership of University of Florence and University of Pavia (Italy).

### **Organisation of international conferences**

Participation at the organization, as a collaborator:

- “Digital Survey of Archeological and Architectural Sites. UNESCO World Heritage List” a parallel event of the 18th ICOMOS General Assembly and Symposium "Heritage and Landscape as Human Values" (Florence, November 8-23th 2014).

- “Simposio UID - Symposium of Representation Scientific Area for the development of multidisciplinary” (Florence, June 14-15, 2018);
- “L'architettura Dipinta: Storia, Conservazione e Rappresentazione Digitale. Quadraturismo e Grande Decorazione della Pittura di Età Barocca” (Florence, November 8-9, 2018).

**Supervising and mentoring activities**

No.	Student	Date	Role	Thesis Title
1	Eleonora Mariotti	2017-02-13	Co-supervisor (Graduated)	Documentazione della cinta muraria e delle casematte nel sito archeologico di Masada, Israele: dal rilievo digitale alla restituzione grafica.
2	Maria Bazzicalupo	2018-02-13	Co-supervisor (Graduated)	Sistemi di documentazione per la ricostruzione 3D e fruizione virtuale di complessi significativi del sito archeologico di Masada (Israele).
3	Silvia Nofri	2018-04-16	Co-supervisor (Graduated)	Rilievo per la pianificazione dell'immagine urbana del centro storico di Terranuova Bracciolini.

**Funding received so far:**

1. Scholarship for PhD Program at the University of Florence, DIDA-Department of Architecture (2015-2018).
2. Financial aid for the participation to the oral presentation during the CAA 2017 Conference in Atlanta (Georgia). March 2017.