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**1. Curriculum Vitae:** Marco Ramazzotti is professor of Archaeology and Art History of the Ancient Near East in the Sapienza University of Rome. He is director of the “Laboratory of the Analytical Archaeology and Artificial Adaptive Systems” (LAA&AAS), co-director of the “Atlas of the Ancient Near East” (AANE); co-director of the Italian-Omanite archaeological excavation at Daba (Oman). He combines researches on the relationships among Analytical Archaeology, Artificial Intelligence and Natural Computing and historical-artistic, semiotic and cognitive analysis of the ancient Syrian, Mesopotamian and Arabian cultural milieu. Since the 90s he has participated in many archaeological excavations, prospections, surveys, and restoration field projects in the Western Asia, Africa and Arabian Peninsula. In Syria, he has been the area supervisor of excavations and coordinated different interdisciplinary scientific teams for the planning and opening of the Ebla (Tell Mardikh) Archaeological Park.

**2. Education:** Marco Ramazzotti graduated at La Sapienza University of Rome (1996) in Near Eastern Archaeology and Art History, he took PhD (2002) and Specialization (2005) in the Archaeology of the Ancient Near East at La Sapienza, with honors. Research fellow in Computer Science at Semeion Research Center of Rome since 1994 and researcher in Near Eastern Archaeology and Art History since 2007, he teaches as Associate Professor and follows bachelor's degree students, master's degree students, specialization's degree students and PhD students in Near Eastern Archaeology and Art History and in Museums and Archaeological Parks Valorization. He is member of the Doctoral School in Archaeology, member of the editorial board of the Journals “Cognitive Philology” and “Scienze dell' Antichità”, “OriensAntiquus Series Nova”, scientific reviewer of the Journals “Orientalia”, “Archeologia e Calcolatori”, “Physica A” and “Digital Biblical Studies (Brill)”; he participated, by invitation and presenting reports, to many conferences in Western Asia, in Europe, in Peru and in USA and he organized interdisciplinary exhibits on the arts and sciences of the ancient Near Eastern Civilizations in collaboration with different regional museums and important international museums (Musei Capitolini, Galleriedegli Uffizi, Palazzo Strozzi, British Museum, Musée du Louvre, Staatliche Museenzu Berlin). He is author and co-author of three scientific monographs and over seventy publications in scientific journals and books, and he is also editor of acts related to national and international congresses and workshops. In his researches on the urban origin and archaic state formation, on the mythopoetic thought and on the visual languages he combines cultural-historical approaches, semiotic analysis and computational modelling.

**3. Academic Appointments:** 2007 Researcher and Aggregate Professor of Ancient Near Eastern Art and Archaeology at the Department of Classics of Sapienza University of Rome; 2010 Confirmed as a Researcher and Aggregate Professor of Ancient Near Eastern Art and Archaeology (LOR/05) at the Department of Classics of Sapienza University of Rome; 2011

Director of the “Laboratory of the Analytical Archaeology and Artificial Adaptive Systems” (LAA&AAS); 2013 National Scientific Habilitation of Associate Professor of Ancient Near Eastern Archaeology (LOR/05); 2016 Co-director of the “Atlas of the Ancient Near East” (AANE) and member of the directive committee of the Journal “Scienze dell’Antichità” at Sapienza Department of Classics; 2019 Scientific responsible for the Sapienza Athenaeum Great Excavations research program in the Gulf Area and Eastern Arabia; 2020 Associate Professor of Ancient Near Eastern Archaeology (LOR/05) at the Department of Classics of Sapienza University of Rome.

**4. Funding information:** 2011 Sapienza Research (32.000,00 euro) received for Archeosema, a meta-disciplinary project of theoretical, analytical and experimental archaeology related to the openness of the modern archaeology (Archeo) to the analysis of historical, physical, linguistic and aesthetic signs (Sema) underlying natural and cultural systems and simulated through Artificial Sciences; 2014 Sapienza Research Award (48.000,00 euro) received for the research program Analytical Archaeology of the Southern Mesopotamian Urbanism (AASMU). The epistemic framing of the AASMU research is founded on the roots implanted with the project Archeosema: in fact it is a further attempt to apply the Artificial Sciences models to the analysis of the Southern Mesopotamian Urbanism as a complex natural and cultural phenomenon; 2016 Sapienza Great Project (25.000,00 euro) received for the research program Atlas of the Ancient Near East (AANE); 2017 Sapienza Project (3.000 euro) received for the research program “Atlantedeilinguaggifigurativinella Mesopotamia delle prime città-stato”; 2019 Sapienza Great Excavations (35.000,00 euro) received for the research program The Origin of Tribal Alliances and Social Complexity in Eastern Arabia: the Archaeological Evidence from the Late Bronze Age / Iron Daba Burial Complex II/I Mill. B.C., Musandam Peninsula, Sultanate of Oman.

**5. Teaching activities:** from 2002 to 2004 he taught as Adjunct Professor of Computer Science for Archaeology at La Sapienza University of Rome; From 2004 to 2008 he taught as Adjunct Professor of Ancient Near Eastern Art and Archaeology (SSD: L-OR/05) at the University of Urbino Carlo Bo; In 2004 he taught as Adjunct Professor of Ancient Near Eastern Art and Archaeology La Sapienza University of Rome; since 2007 he teaches Ancient Near Eastern Art and Archaeology at Sapienza University of Rome, in the Faculty of Philosophy, Letters, Humanities and Oriental Studies, now Faculty of Letter and Philosophy. He follows at Sapienza: bachelor’s degree students, master’s degree students, specialization’s degree students and PhD students in Near Eastern Archaeology, Near Eastern Art History, Archaeometry and Computer Sciences, Museums and Archaeological Parks Valorisation.

**6. Institutional responsibilities:** from 1992 to 2013, he has been member of the Ebla Archaeological Mission and area supervisor. From 1999 to 2012, he coordinated scientific, administrative and educational activities related to the Ebla Archaeological Park (Syria); Since 2008 he has coordinated the scientific relations between the archaeological site of Ebla and the archaeological museum of Ebla at Idlib as part of a cooperation project between the European Economic Community and the Italian Ministry of Foreign Affairs; he was named to plan and to cooperate in many national and international projects and has been involved as interdisciplinary research team coordinator in two FP7 European projects: 2008 - SECOA (Solving Environmental Conflicts in Coastal Areas); 2009 – EBLA CHORA (The Early State and Its Chora. Towns, villages and landscape at Ebla in Syria during the 3rd Millennium BC. Royal Archives, Visual and Material Culture, Remote Sensing and Artificial Neural Networks); since 2012 he is a designated member of the Curriculum of Doctoral School in Archaeology at Sapienza University of Rome.

**7. Memberships of scientific research centers and journals:** since 2008 he is member of the Sapienza Interdepartmental Research and Services Centre Digilab (ex Medialab); since 2011 he is member of the American School of Oriental Research (ASOR); since 2013 he is member of the

Sapienza Interdepartmental Centre of Science and Technology for the Conservation of Cultural Heritage (CISTeC); since 2013 he is member of the Scientific Council of the Sapienza University of Rome Museum of the Near East, Egypt and Mediterranean; since 2014 he is member of the International Geographic Union (IGU). He is member of the following editorial boards: 2004 *Contributi e Materiali di Archeologia Orientale* (ISSN 1120-9631); 2011 *Cognitive Philology* (ISSN 1724-5869); 2011 *Vicino & Medio Oriente* (ISSN 2240-16336); 2014 *Archeomatica* (ISSN: 2037-2485); 2014 *Scienze dell'Antichità* (ISSN 1123-5713; ISBN 978-88-7140-486-9); 2015 *Atlante Storico del Vicino Oriente antico*, Co-director (ISBN 88-87242-19-4); 2017 *Atlas of the Ancient Near East*, Co-director (ISBN 978-88-7575-291-0; ISBN: 978-88-7575-306-1; ISBN 978-88-7575-359-7); 2017 *Scienze del turismo e mobilità umana* (ISBN: 978-88-9377-005-7); 2017 *Oriens Antiquus Series Nova* (ISSN 0030-5189; ISBN 978-88-8174-517-9).

**8. Exhibits and dissemination:** from 1998 to 2005, he was director of the regional archaeological, anthropological and ethnographical museum Ercole Nardi (Poggio Mirteo, Rieti) founded and opened with an experimental exhibition entitled "Frammenti Sabini" (1998). He planned various international archaeological exhibits, including some specifically dedicated to the visual representation of the ancient Babylonian arts, sciences and techniques (Arslantepe. Il tempo in posa, Roma – Museo dell'Arte Classica 2000; Ebla tra Passato e Futuro, Ferrara – Salone del Restauro 2000; The Ebla Archaeological Park, Damasco – National Museum of Damascus 2002; Il Giardino Antico da Babilonia a Roma, Firenze – Giardino dei Boboli 2006; Pulvis et Umbra Sumus, Roma – Museo della Centrale Montemartini 2007; Galileo. Immagini dell'Universo dall'Antichità al Telescopio, Firenze – Palazzo Strozzi 2007; Vinum Nostrum. Arte, Scienza e Miti del Vino nelle Civiltà del Mediterraneo Antico, Firenze – Palazzo Pitti 2010; Orizzonti migranti: Amorrei e Aramei, Genova – Festival della Scienza 2010; La collezione glittica Santarelli: Mesopotamia, Roma – Musei Capitolini 2012). He is editor of radio broadcasts focusing on legal and political issues of defence and enhancement of the Eastern Mediterranean, Near Eastern and Mesopotamian Cultural Heritage.

**9. Up to 30 representative publications, from the last ten years 2009-10 – 2019-20:** 1. M. Ramazzotti, Dall'automazione del Record geomagnetico alla scoperta del «Tempio della Roccia» (2400-2350 a.C. ca.), in «Archeomatica», 0, 2009: 12-15 (ISSN: 2037-2485); 2. M. Ramazzotti, A Presage of Heresy. Metaphysical Notes and Iconographic Themes for an Archaeology of the Mesopotamian Skies, in Galluzzi, P. (ed.), Galileo. Images of the universe from antiquity to the telescope, Giunti, Firenze 2009: 54-65 (ISBN: 880974232X); 3. M. Ramazzotti, Ex Oriente... Vinum! Archaeology, Art and Literature among the Wine-Growing Cultures of the Ancient Near East, in Di Pasquale, G. (eds.), Vinum Nostrum: art, science and myth of wine in ancient Mediterranean cultures, Giunti, Firenze 2010: 242-256 (ISBN-10: 8809752392; ISBN-13: 978-8809752399); 4. M. Ramazzotti, The Ebla Archaeological Park. Natural, Archaeological and Artificial Italian Portrait of the Ancient Syrian Capital, in P. Matthiae et al (eds.), Proceedings of the 6th International Congress on the Archaeology of the Ancient Near East, Harrassowitz Verlag, Wiesbaden 2010: 581-597 (ISBN 978-3-447-06216-9); 5. M. Ramazzotti, Ideografia ed estetica della statuaria mesopotamica del III Millennio a. C., in M. Liverani, M. G. Biga (eds.), "ana turrigimilli". Studi dedicati al Padre Werner R. Mayer, S. J. da amici e allievi, Sapienza, Roma 2010: 309-326 (ISSN 0393-0300); 6. M. Ramazzotti, Anatomia di Akkad. Le ombre di una città invisibile dal suo paesaggio storiografico, estetico e storico, in R. Dolce et al. (eds), Quale Oriente? Omaggio a un Maestro. Studi di Arte e di Archeologia del Vicino Oriente in memoria di A. Moortgat a trenta anni dalla sua morte, Flaccovio Editore, Palermo 2011: 341-375 (ISBN 978-88-7804-495-1); 7. M. Ramazzotti, Argilla. Mito, storia e archeologia della terra cruda nell'antica Mesopotamia, in M. Ramazzotti - G. Greco (eds), Argilla. Storie di terra cruda, Artemide, Roma 2011: 9-20 (ISBN 978-88-7575-153-1); 8. M. Ramazzotti, A. Di Ludovico, Design at Ebla. The Decorative System of a Painted Wall Decoration, in «Orientalia» 80, 2011: 66-80 (ISSN: 0030-

5367); 9. M. Ramazzotti, Il sigillo cilindrico nella cultura amministrativa e artistica dell'antica Mesopotamia. Gli esempi del III e del II mill. a.C. conservati ai Musei Capitolini, in A. Gallottini (ed.), *La glittica Santarelli ai Musei Capitolini Intagli, cammei e sigilli*, Artemide, Roma 2012: 25-41 (ISBN 978-88-7575-143-2); 10. M. Ramazzotti, The Ideological and Aesthetic Relationship Between Ur And Ebla During The Third Millennium B. C., in *Proceedings of the 7th International Congress on the Archaeology of the Ancient Near East*, HarrassowitzVerlag, London 2012: 53-72 (ISBN 978-3-447-06685-3); 11. M. Ramazzotti, Aesthetic and Cognitive Report on Ancient Near East Clay Figurines Based on Some Early Bronze and Middle Bronze Records Discovered at Ebla – Tell Mardikh (Syria), in «*Scienze dell'Antichità*», XVII, 2012: 345-375 (ISSN 1123-5713; ISBN 978-88-7140-486-9); 12. M. Ramazzotti, A. Di Ludovico White, Red and Black. Technical Relationships and Stylistic Perceptions between Colours, Lights and Places in Mesopotamia and Syria during the Third Millennium BC. in *Proceedings of the 7th International Congress on the Archaeology of the Ancient Near East*, London, HarrassowitzVerlag, Wiesbaden 2012: 287-302 (ISBN 978-3-447-06685-3); 13. M. Ramazzotti, The restoration of the Fewet compound, in L. Mori (ed.), *Life and death of a rural village in Garamantian Times. Archaeological investigations in the oasis of Fewet (Libyan Sahara)*, Firenze 2013: 369-374 (ISBN 9788878145948); 14. M. Ramazzotti, Where Were the Early Syrian Kings of Ebla Buried? The Ur-Eridu Survey Neural Model as an Artificial Adaptive System for the Probabilistic Localization of the Ebla Royal è madím, «*Scienze dell'Antichità*», XIX, 2013: 10-34 (ISSN 1123-5713; ISBN 978-88-7140-535-3); 15. M. Ramazzotti, Logic and Semantics of Computational Models for the Analysis of Complex Phenomena. Analytical Archaeology of Artificial Adaptive Systems, in A. Montanari, (ed.), *Urban Coastal Area Conflicts Analysis Methodology: Human Mobility, Climate Change and Local Sustainable Development. Cap. 1. SECOA FP7 Research Project*, Rome 2013: 23-56 (DOI: Web. 30 September 2013); 16. M. Ramazzotti, Analytical Archaeology and Artificial Adaptive Systems, in M. Ramazzotti (ed.), *ARCHEOSEMA Artificial Adaptive Systems for the Analysis of Complex phenomena. Collected papers in Honour of David Leonard Clarke*, «*Archeologia e Calcolatori*» Sup. 6, All'Insegna del Giglio, Firenze 2014: 15-52 (ISSN 2385-202X ISBN 978-88-7814-608-2); 17. M. Ramazzotti, Analytical Archaeology and Artificial Adaptive Systems Laboratory (LAA&AAS), in M. Ramazzotti (ed.), *ARCHEOSEMA 2014*: 53-84 (ISSN 2385-202X ISBN 978-88-7814-608-2); 18. M. Ramazzotti, The Mimesis of a World. The Early Bronze and Middle Bronze Clay Figurines from Ebla – Tell Mardikh, in S.M. Langin-Hooper (ed.), *Figuring Out the Figurines of the Ancient Near East / Occasional Papers in Coroplastic Studies 1 / series editor*, Jaimee P. Uhlenbrock, San Francisco, 2014: 39-64 (ISBN: 978-0-9915533-1-0); 19. M. Ramazzotti, Royal Administration During the Conquest. New Archaeological and Epigraphic Discoveries in the Royal Palace G at Ebla-Tell Mardikh, in H. Neumann et al. (eds.), *Krieg und FriedenimAltenVorderasien*, *Proceedings of the 52e Rencontre d'Assyriologie Internationale*, Muenster 2014: 651-672. (ISBN 978-3-86835-075-3); 20. M. Ramazzotti, The Aesthetical Lexicon of Ebla's Composite Art during the Age of the Archives. An Innovative Visual Representation of Words and Concepts inside the Early Dynastic Technology of the Images, in *Proceedings of the 57th Rencontre Assyriologique Internationale at Rome*, Eisenbrauns, Rome 2015: 135-154 (ISBN 978-1-57506-313-3); 21. M. Ramazzotti, The Iraqi-Italian Archaeological Mission at the Seven Mounds of Eridu, «*Scienze dell'Antichità*», XXI/1, 2015, 3-29 (ISSN 1123-5713; ISBN 978-88-7140-535-3); 22. M. Ramazzotti, Back to the Future. Structuring an Analytical Model for the Mesopotamian Urbanism: a view from the South, in M. Iamoni (ed.), *Trajectories of Complexity. Socio-economic Dynamics in Upper Mesopotamia in the Neolithic and Chalcolithic Periods: Proceedings of the 9th International Congress on the Archaeology of the Ancient Near East at Basel (StudiaChaburensia 6)*, Wiesbaden, HarrassowitzVerlag 2016: 183-194 (ISSN 1869-845X; ISBN 978-3-447-10690-0); 23. M. Ramazzotti et al., From Monument to Urban Complex: The City of Ebla as Symbol of Royal Ideology, in *Proceedings of the 2nd International Congress on the Archaeology of the Ancient Near East 22-26 May 2000*, Copenhagen. Volume 1: The Environment, Images of Gods and Humans, The Tell Excavation Reports and Summaries Varia (Chronology,

Technology, Artifacts), Edited by IngolfThuesen, Department of History and Cultures, University of Bologna / Eisenbrauns Bologna 2016: 435-441 (ISBN 978-88-6113-007-4; doi: 10.12878/orientlabsi2icaane-1); 24. M. Ramazzotti, Introduzione all'archeologia del paesaggio. Geografia cosmica, simulazioni geomatiche, ricostruzioni potenziali e ipersuperfici neurali, in Celani, S. (a cura di), *Digital Humanities: strumento o fine? Elementi per una riflessione metodologica* (Status Quaestionis X), 2016, 99-113 (ISSN 2239-1983); 25. M. Ramazzotti, Archeologia e traduzione. Prolegomena alla meccanografia e alla simulazione artificiale del sema, in «Testo a fronte. Teoria e pratica della traduzione letteraria», 54/1, 2016, pp. 17-26 (ISSN 1128-238X); 26. M. Ramazzotti, The Mythopoesis of Creation in Ancient Mesopotamia. Female Archetypes in the Psychical and Rhetorical Transmission of Good Governance, in AA.VV. (eds.) *Women in Antiquity. Daughters, Wives, Sisters, Mothers, Witches and Saintes* (Forma Urbis International), Rome 2016, pp. 6-10 (ISBN 9788884441546); 27. M. Ramazzotti, A. Di Ludovico, D. Nadali, A. Polcaro, From Monument to Urban Complex: The City of Ebla as Symbol of Royal Ideology, in *Proceedings of the 2nd International Congress on the Archaeology of the Ancient Near East 22-26 May 2000, Copenhagen. Volume 1: The Environment, Images of Gods and Humans, The Tell Excavation Reports and Summaries Varia* (Chronology, Technology, Artifacts), Edited by IngolfThuesen, Department of History and Cultures, University of Bologna / Eisenbrauns Bologna 2016: 435-441 (ISBN 978-88-6113-007-4; doi: 10.12878/orientlabsi2icaane-1); 28. M. Ramazzotti, Note, riflessioni e prospettive della cooperazione archeologica nelle aree di crisi del Vicino Oriente, in Bianca M. Tomassini Pieri (a cura di), *Chi ha diritto alla Cultura? La situazione dei beni archeologici in Iraq e Siria*, Atti della Giornata di Studi (Roma, 16 aprile 2016), Roma 2017, pp. 107-112 (ISBN 9788822897367); 29. M. Ramazzotti, Prefazione, in F. M. Benedettucci, *Il paese di Moab nell'Età del Ferro*, Monografie dell'Atlante del Vicino Oriente antico 1, MAVOA-1, Roma, Editoriale Artemide, 2017, p. 7 (ISBN 978-88-7575-291-0); 30. M. Ramazzotti, Frammenti in mostra. Memoria paradigmatica e allegorica sulla difesa e sulla protezione dei beni culturali in tempi, luoghi e forme della crisi, in P. Armellin (a cura di), *La storia del territorio di Poggio Mirteto. Un racconto con il contributo di varie discipline. Atti della giornata di studi "La storia del territorio di Poggio Mirteto. Un racconto tra archeologia, architettura, economia, geologia, storia della musica, storia dell'arte, urbanistica"* Poggio Mirteto 29 novembre 2014, con integrazioni ed aggiornamenti, Espera, Roma 2018: 193-197 (ISBN 978-88-99847-02-9); 31. M. Ramazzotti, La nascita dello Stato in Egitto. Storiografia antropomorfa di alcuni paesaggi di potere ad occidente dell'Eden, in Agnese Vacca, Sara Pizzimenti, Maria Gabriella Micale (a cura di), *A Oriente del Delta Scritti sull'Egitto ed il Vicino Oriente antico in onore di Gabriella ScandoneMatthiae*, Contributi e Materiali di Archeologia Orientale XVIII, Roma 2018, pp. 567-578 (ISBN 978-88-6687-139-2; ISSN 1120-9631); 32. M. Ramazzotti, Landscape Archaeology and Artificial Intelligence: the Neural Hypersurface of the Mesopotamian Urban Revolution. In: Vanessa Bigot JulouxAmy Rebecca Gansell Alessandro di Ludovico. *CyberResearch on the Ancient Near East and Neighboring Regions Case Studies on Archaeological Data, Objects, Texts, and Digital Archiving*. pp. 60-82, Leiden, Boston 2018: Brill, ISBN 978-90-04-34674-1; doi: 10.1163/9789004375086\_004; 33. M. Ramazzotti, Una mezzaluna rovesciata. Approdi, porti e rotte della navigazione sulle sponde del Mediterraneo orientale (An Inverted Star and Crescent. Docks, Ports and ShippingRoutes on the Shore of the EasternMediterranean), in Alfredo Buccaro e Ciro Robotti (a cura di), *Segni, Immagini e Storia dei centri costieri euro-mediterranei*, Centro Interdipartimentale di Ricerca sulla Iconografia della Città Europea, Napoli 2019: 89 – 100 (ISBN 9788899930042); 34. M. Ramazzotti, Dall'opposto piano del Mediterraneo, Images di stati e imperi del Vicino Oriente antico. In Annamaria Robotti (a cura di), *Frammenti di esperienze, Images XVII*, Edizioni Grifo, Lecce 2019, pp. 277-288 (ISBN 9788869941986); 35. Nel segno di Ebla. Memoria Topologica per la Città del Trono al Centro della Quattro Parti del Mondo. In Stefano Valentini e Guido Guarducci (a cura di), *Between Syria and the Highlands. Studies in Honor of Giorgio Buccellati& Marilyn Kelly-Buccellati*, Studies on the Ancient Near East and Mediterranean, ArborSapientiaeEditoreS.r.l., Roma 2019, pp. 365-372 (ISBN 978-88-31341-01-1);

36. M. Ramazzotti, P. M. Buscema, G. Massini and F. D. Torre, *Encoding and Simulating the Past. A Machine Learning Approach to the Archaeological Information*, 2018 Metrology for Archaeology and Cultural Heritage (MetroArchaeo), Cassino FR, Italy, 2020: pp. 39-44; IEEE Catalogue Number: CFP18O73-ART; ISBN: 978-1-5386-5276-3. Researchmonographs: 1. M. Ramazzotti, *Archeologia e Semiotica. Linguaggi, codici, logiche e modelli*, Bollati Boringhieri, Torino 2010 (ISBN 978-88-339-2024-5); 2. M. Ramazzotti, *Mesopotamia antica. Archeologia del pensiero creatore di miti nel Paese di Sumer e di Accad*, Editoriale Artemide, Roma 2013, ISBN 978-88-7575-175-3); 3. M. Ramazzotti, *Eridu, Enki e l'ordine del mondo*. In preparation (Mondadori).

#### **10. Up to 15 presentations to peer reviewed conferences from the last ten years 2009-10 – 2019-20**

1. Paris, Collège de France: “A Preliminary, Aesthetic and Cognitive Report on Ancient Near East Clay Figurines Based on Some Early Bronze and Middle Bronze Records Discovered at Ebla – Tell Mardikh, Syria.” (55th Rencontre Assyriologique Internationale RAI), Paris 06/07/09;
2. London, British Museum: “White, Red and Black. Technical Relationships and Stylistic Perceptions between Colours, Lights and Places in Mesopotamia and Syria during the Third Millennium B.C.” (with A. Di Ludovico, 7-ICAANE), London 13/04/10;
3. London, University College of London: “The Ideological and Aesthetic Relationship between Ur And Ebla During The Third Millennium B.C.” (7-ICAANE), London 13/04/10;
4. London, Metropolitan University, Cities Institute 2011: “Taxonomy and Modelling. Theories, Models and Applications for the Analysis of Spatial Complex Phenomena.” London 21/06/11;
5. San Francisco, American School for Oriental Research: *The Mimesis of a World. The Early Bronze and Middle Bronze Clay Figurines from Ebla - Tell Mardikh*, San Francisco 19/11/11;
6. Basel, Universität Basel el: *Back to the Future. The Analytical Archaeology of the Mesopotamian Urbanism*, Basel 11/06/14;
7. Wien, Österreichische Akademie der Wissenschaften: *Wall Painting Techniques in Early Bronze Syria Clues of Parallelisms with the Traditions of the Mediterranean and Mesopotamian regions* (with Alessandro Di Ludovico), Wien 29/04/16;
8. Roma, Italy, Museo delle Terme di Diocleziano: “Alla ricerca del paradiso. Modelli, temi e prospettive della politica culturale italiana nelle aree di crisi della Mesopotamia antica.” (with Alessandro Di Ludovico), Roma 27/05/16;
9. Bari, Italy, Museo Civico di Bari: “Archetipi in mutazione. In margine al significato didattico della Mesopotamia antica nell'insegnamento di base della storia dell'arte.” (Associazione Nazionale Italiana degli Storici dell'Arte ANISA), Bari 15/10/16;
10. San Antonio, Texas: “A NeuralSpatial Analysis of the Ur and Eridu Sub-regional Settlement System.” (American School of Oriental Research ASOR), San Antonio 17/11/16;
11. Atlanta, Georgia: “Landscape Archaeology and Artificial Intelligence. The Neural Hypersurface of the Mesopotamian Urban Revolution.” (Computer Applications in Archaeology CAA) Georgia State University 16/03/17);
12. Boston, Massachusetts: *Encoding the Space: The Epistemic Frames of the Atlas of the Ancient Near East (AANE)* (American School of Oriental Research ASOR), Boston 17/11/17;
13. Innsbruck, Universität Innsbruck: “Complementary Grammars for the Atlas of the Ancient Near East (AANE). Mesopotamian Cosmic Geography, Historical Geography and the Modern Geographies of the Pasts.” (64th Rencontre Assyriologique Internationale University) Innsbruck 17/07/18;
14. Cassino, Italy, Università di Cassino: *Encoding and Simulating the Past. A Machine Learning Approach to the Archaeological Information* (IEEE International Conference on Metrology for Archaeology and Cultural Heritage), Cassino 22/10/18;

15. Roma, Italy, MAXXI: “Dove qualcuno resiste senza speranza ...” Prospettive per la storia dell’arte antica nella difesa del patrimonio culturale immateriale, (La Scuola del Futuro al MAXXI. Bellezza, Efficacia, Sicurezza, sessione: Educare alla bellezza), Roma 13/11/18;
16. Roma, Italy, Facoltà di Lettere e Filosofia, Aula Odeion: “Arresto e movimento, organicità e astrazione. Morfogenesi e canoni figurativi nella statuaria Mesopotamica del III millennio a.C.” (Primo Convegno degli Orientalisti antichisti della “Sapienza” Università di Roma), Roma 30/05/19;
17. Gallipoli (LE), Italy, Caroli: “An Inverted Star and Crescent. Docks, Ports and Shipping Routes on the Shore of the Eastern Mediterranean.” (Segni, Immagini e Storia dei centri costieri euro-mediterranei), Gallipoli 28/03/19;
18. Roma, Italy, Università degli Studi Guglielmo Marconi, Teatro Multimediale, “In ricordo di Jurgis Baltrušaitis e dell’anamorfose vicino-orientale. Mente primitiva, comportamentismo e processi di apprendimento distribuiti”, Roma 03/07/19;
19. Paris, Collège de France: “Squashing the Past on the Future. Ecological Systems for Modelling the Complexities of the ancient Near East.” (65th Rencontre Assyriologique Internationale), Paris 12/07/19;
20. Firenze, Italy, Università degli Studi di Firenze: “Modelling the Past. Logic and Semantics of Biological and Neural Computing in Archaeology” (Metrology for Archaeology and Cultural Heritage), Florence 05/12/2019.