

Curriculum Vitae

The present section inherits the key structure from the European Curriculum Vitae and extends it including some specific paragraphs outlining the scientific interests, achievements and international relation network. Awards and Commendations are listed in a separate document.

Short Bio

Alfredo M. Ronchi bio - professor at Politecnico di Milano (Engineering Faculty), Expert/advisor in e-Services, Head of the JRC S2D2 (Safety, Security, Defence, Disaster Recovery and Management) Politecnico di Milano, General Secretary of the EC-MEDICI Framework of Cooperation, MEDICI delegate at UNESCO IFAP and active member of the WSIS since the establishment.

He is member WSA Grand Jury and President of eContentAward Italy, member of the Scientific Committee of Global Forum (F-USA), Sacred World Foundation (New Delhi), Fondazione Nuove Comunicazioni (Italy).

Mr Ronchi is member of the following Boards of Directors: Global Forum, World Summit Award, European Youth Award, European Education New Society Association, Fondazione Italiana Nuove Comunicazioni. Member of the Keio University NoE. Ronchi is appointed as an expert by: European Commission, Council of Europe, Italian Association of Banks, National Research Council. National and international project coordinator.

As Secretary of EC MEDICI Framework Ronchi promoted and coordinated, among the other, the following initiatives: "On culture in a world-wide Information Society" (1999), "Long-term preservation of digital content" (1999-2007), "Digital preservation of Intangible Heritage" (2005), "ICT for Safety and Security" (2015). OCCAM (Osservatorio Comunicazione Digitale) Delegate at United Nations headquarters in Geneva (2002-2016) and United Nations International Centre in Vienna (1996-2001).

Some initiatives within WSIS are: Best e-Content and Services on the occasion of WSIS 2005, 2010, 2015, High Level Policy Statements 2015, 2016, 2017 Thematic Workshops "ICTs for Safety and Security" 2016, 2017, 2018, 2019¹. Main contributions to UNESCO IFAP initiatives in the field of: Digital Preservation, Multilingualism in Cyberspace, Linguistic and Cultural Diversity in Cyberspace, Internet and Socio-Cultural Transformations, Media and Information Literacy for Knowledge Societies, Infoethics².

He cooperated as organizer or programme chair in W3C, ACM, IEEE conferences; since more than thirty five years he organizes and manages international conferences and workshops.

Author/contributor of more than 350 papers and various books on: e-Culture, IPR, e-Government, e-Health, e-Learning, and e-Services.

¹ pls refer to <https://www.itu.int/net/wsis/>

² pls. refer to <http://www.ifapcom.ru/en>

Education and training

Years	Institution	Address	Certificate
1969 – 1974	State scientific high school Leonardo da Vinci	Via Filippo Corridoni 32 . 20121 Milano	Scientific Maturity
1975 – 1980	Politecnico di Milano	piazza Leonardo da Vinci 32 – 20133 Milano	Full Engineering Degree
1981 -1982	Politecnico di Milano	piazza Leonardo da Vinci 32 – 20133 Milano	Post Degree Master in Computer Graphics // Thesis on a basic drafting system
1982 – 1983	Autotrol Technologies	c/o Tecnomare S.p.A. Milano	System Manager Certificate
1990– 1993	Microsoft Certified Partner	Microsoft	Certificate

1977 – 1981 in parallel with Engineering lectures he attended Computer Sciences lectures by Prof Giovanni Degli Antoni in the just established Computer Science Department of Università degli Studi di Milano (State University); later on he became lecturer in computer science c/o Università degli Studi Dep. Computer Science

1981 – 1983 Politecnico di Milano – piazza Leonardo da Vinci 32 – 20133 Milano – Faculty of Architecture – attended courses and passed 25 exams, stops at the beginning of the thesis due to the prevailing interest in Computer Science.

1987 – 1999 Siggraph (Special Interest Group in Computer Graphics) ACM – advanced training in computer graphics (CG courses), member of the Global Illum Group (Holly Rushmeier), since 1989 main interest in interactive virtual reality (e.g. URCA project – Umbelivable Radiosity CAD Assistant).

1990 – 1992 Thanks to some connections with CERN in Geneve (Bebo White, etc.) he joined the web technology and from 1993 to 2005 he actively contributed to the World Wide Web Conferences organising seminars, sessions and tracks (e.g. Culture Track WWW9)

Languages (1 - excellent; 5 – basic; *- ongoing study)

Language	Reading	Speaking	Writing
Italian (mother tongue)	1	1	1
English	1	1	1
Francese	1	2	4
Spagnolo	2	3	4
Russo	*	*	*

Work experience

- Dates (from – to) 1974 – 1981
 - Name and address of employer Free lance
 - Type of business or sector Technical photography
 - Occupation or position held Photographer
 - Main activities and responsibilities Factories, Production lines, etc.

- Dates (from – to) 1981 – 1983
 - Name and address of employer IBM – Team Informatica s.a. (Lugano CH)
 - Type of business or sector Information technology
 - Occupation or position held Consultant
 - Main activities and responsibilities Software solutions on PC platform

- Dates (from – to) 1983 – 1986
 - Name and address of employer General Data s.r.l./S.p.A.– Via Lamarmora - Milano
 - Type of business or sector Information technology
 - Occupation or position held Consultant
 - Main activities and responsibilities Head software development

- Dates (from – to) 1987 – 1992
 - Name and address of employer Consulenza & Sviluppo s.r.l. – Corso Venezia 23 – 20121 Milano
 - Type of business or sector Information technology
 - Occupation or position held Partner
 - Main activities and responsibilities Head of R&D

- Dates (from – to) from 1984
 - Name and address of employer Politecnico di Milano – Piazza Leonardo da Vinci 32 – 20133 Milano
 - Type of business or sector Technical University
 - Occupation or position held Researcher (1983 -) Associate Professor (2001 -)
professional qualification Full Professor (2012 – pls. refer to evaluation outcomes)
 - Main activities and responsibilities Co-founder and Head of the Computer Aided Architectural Design Laboratory (1984 – 1990);
Promoter and reference person of the cooperation agreement in the field of “Virtual Museums” between Politecnico di Milano, Scuola Normale Superiore di Pisa, CINECA, CNR Psicologia Roma (1993-94);
Promoter and reference person of the cooperation agreement between Politecnico di Milano and Technopole Sofia Antipolis signed by Prof. Adriano De Maio and Sen. Pierre Laffitte (1995);
Co-founder of EMWAC (European Microsoft Windows Academic Centre (1990-1993);

Founding Director of the HyperMediaGroup Laboratory and Virtuality Group (1990 to /);

Founder and Director of the JRC S2D2 Safety, Security, Defence, Disaster Recovery and Management (formerly S2D2 Cluster) (submitted in 2005 established in 2015- /).

Academic position

Date	Academic Position	University
29/03/1984	University researcher	Politecnico di Milano
From Academic Year 1995-96	Lecturer	Università degli Studi Milano, Computer Science Dept.
12/27/2004	Associate Professor	Politecnico di Milano
01/10/2011	Full Professor qualification	

Other information related to the scientific and professional path

Consultant / Advisor

1981 - 1983 - consultant - IBM - Team Informatica s.a. (Lugano CH);

1984 - 1995 Disano Illuminazione/ SBP/ SIVI/ Thorn / Sylvania / GE Lighting;

1989 - 1994 GE Medical Systems;

1994 - 1995 BolognaFiere (Virtual Project);

1997 – Council of Europe – Culture

1999 - Austrian Ministry of Culture, creation of a Cultural Heritage Agency;

2005 - Italian Association of Banks (ABI).

- Ministerium für Wissenschaft, Weiterbildung, Forschung und Kultur des Landes Rheinland -Pfalz,
 - Norwegian Ministry of Culture – Riksantikvaren;
 - Municipality of Christiansand;
- 2005 - / e-Services, Safety & Security

Board of Directors

- member of the Executive Board of Directors of the World Summit Award (later member Emeritus), Salzburg, Austria;
- member of the Executive Board of Directors of the Europrix Top Talent Award, Amsterdam, The Netherlands;
- member of the board of directors of OCCAM and representative accredited ECOSOC at the UN headquarters in Vienna, later on accredited at UNO headquarters in Geneva;
- member of the Executive Board of Directors of Fondazione Italiana Nuove Comunicazioni, Roma, Italy;
- member of the Executive Board of Directors of European Education New Society Association (ENSA), Paris, France.

Scientific Committee

- member of the Scientific Committee of the Global Forum (F - USA);

- member of the Scientific Committee of Fondazione Italiana Nuove Comunicazioni (Roma, Italy);
- member of the Scientific Committee of Sacred World Foundation (New Delhi - India);
- member of the Scientific Committee of Infopoverty (IT, USA).

Additional roles

- Secretary of the international network EU directives Working Group;
- President of eContentAwardItaly;
- Member of the Grand Jury and Italian delegate at the World Summit Award (178 nations);
- Member of the Keio University Network of Excellence;
- Member of the UNESCO IFAP working group under the intergovernmental committee;
- Active member of the WSIS community since the establishment of the initiative (2003).
- Head of S2D2 Joint Research Centre
- EC MEDICI representative at ITU/WSIS
- EC MEDICI representative at WEF Cyber Future Dialogue

Recent Publications

Alfredo M. Ronchi, (2019). *e-Citizens: Toward a New Model of (Inter)active Citizenry* , ISBN 978-3-030-00746-1, Springer (D)

Alfredo M. Ronchi, (2019). *e-Democracy: Toward a New Model of (Inter)active Society*, ISBN 978-3-030-01596-1, Springer (D)

Alfredo M. Ronchi, (2019). *e-Services: Toward a New Model of (Inter)active Community*, ISBN 978-3-030-01842-9, Springer (D)

Alfredo M. Ronchi, (2010). *Сотрудничество в сфере обмена цифровыми коллекциями и культурным контентом*. Tatiana V. Ershova in "Information Society", Scientific Analytical Journal. (pp. 50- 64)

Alfredo M. Ronchi, (2010). *Cooperation in the field of Exchange of Digital Collections and Cultural Content*. D. Kasputin - Institute of the Information Society in Russia-European Union: signs on the road map of cultural cooperation. (pp. 175- 199)

Alfredo M. Ronchi, (2010). *The Patient's Perspective - empowerment or bewilderment eHealth: Background, Today's Implementation and Future Trends*. Alan R. Shark, Sylviane Toporkoff in *eHealth - A global perspective*. (pp. 181- 198), ISBN 978-1451540291, CreateSpace Independent Publishing Platform

Alfredo M. Ronchi, (2010). *eGovernment impact: measuring performances and ranking solutions*. Alan R. Shark; Sylviane Toporkoff in *Beyond e –Government Measuring Performance: A Global Perspective*. (pp. 65- 84), ISBN 978-1451576023, CreateSpace Independent Publishing Platform (May 7, 2010)

Alfredo M. Ronchi (2009), *eCulture: Cultural Content in the Digital Age*, ISBN:978-3-540-75273-8, Springer (D)

Alfredo M. Ronchi et al. (2008), *Digital Rights Management for E-Commerce Systems*, ISBN 978-1-60566-118-6, Idea Group Inc., (PA USA)

Alfredo M. Ronchi et al. (2007), *Best Practice From the World Around*, Digital Empowerment Foundation New Delhi, India

Main International Experiences and Relations

The international activity due to Alfredo M. Ronchi can be considered the follow up of the travels and international relations developed during the university studies. The time spent in the United States and Canada attending post degree courses in computer graphics and virtual reality before, the tight connection with the World Wide Web community later were the basis for the following activity with the European Commission DGXIII and the Council of Europe. Main activities at international level are tightly related with his roles and the following organisations: the Secretary General of the EC MEDICI foundation, the cooperation with The Getty Foundation, The World Bank and later on the position of OCCAM delegate to the United Nations, early accreditation to the World Summit on the Information Society, delegate to UNESCO IFAP and last but not the least the appointment as member of the WSA Grand Jury before and WSA board of executive director later. The World Summit Award community is composed by approx 170 countries in five continents. One of the most relevant aspects is, no doubt, the wide network of contact points and partners that facilitate the setup of International initiatives and consortia. This aspect enabled the submission of a number of project proposals, the setup of working groups, the organisation of international events abroad and more.

Japan & Hong Kong: 1983 - More than one month study travel visiting factories, civil engineering masterpieces, research centres, Tsukuba expò, organised care of Italian and Japanese Engineers Association, on the way back to Italy one week visit to Hong Kong and New Territories; 1999 – Centre of Excellence (COE) Symposium - Keio University and Network of Excellence (NoE) event in Tokyo³, starting from these events and the participation in the NoE was planned a set of lectures at KEIO University SFC Fujisawa Campus (2000-2006)⁴; 2003 - Cooperation with the South Eastern Pacific Archive; lectures at Chiang May University⁵ within the cooperation project coordinated by Keio University; 2007 – Lecture in Phnom Penh, Cambodia⁶; 2015 - Partnership with Keio University on Slow Onset Disasters unit; 2016 - Lectures and workshops in Yangon (Myanmar) on slow onset disasters and sustainable development.

United States of America: one month stay every year from 1987 to 2000 - attending post degree computer graphics courses (SigGRAPH, Washington University, etc - 1987-90); visiting university labs and company labs (e.g. Xerox PARC - 1990, 1999); establishing a tight cooperation with Microsoft (1983-2000) from 1990 yearly study visits at MS labs. Starting from 1999 cooperation with The World Bank⁷, secretary of working group “On Culture in a World Wide Information Society” delivered to the G8 in 2001 (; organisation and chairmanship of the “On Culture in a World Wide Information Society” session on the occasion of WWW2002 held in Honolulu⁸, Long term preservation of digital content (New York 2004), Digital Preservation International Meeting 2006 (World Bank Contribution), ICTs for Safety and Security (WSIS Forum – World Bank 2017). H.E. Sarbuland Kahn, Ambassador at UNO, head of Global Alliance for ICT supported the organisation of

³ e.g. “Books, Monographs, Papers ...: Proceedings” num 96.

⁴ e.g. “Books, Monographs, Papers ...: Proceedings” num 149.

⁵ Pls. refer to “Books, Monographs, Papers ...: Proceedings” num 123, 124

⁶ Pls. refer to “Books, Monographs, Papers ...: Proceedings” num 158

⁷ Culture Counts 1999 – pls. refer to <http://documents.worldbank.org/curated/en/302131468739317900/pdf/multi-page.pdf>

⁸ Pls. refer to <https://dl.acm.org/citation.cfm?id=1062754>

the eContentAward winners' conference and Global Forum co-organised by Alfredo Ronchi and Peter A. Bruck held in Fondazione Giorgio Cini, Venice in 2007⁹.

Global Forum Washington (2010) demo session on the asset management information system by Carabinieri. Cooperation with W3C, ACM, ACM SigGRAPH, IEEE as author, chair/co-chair, organiser.

Canada: several aimed visits organised by the Canadian Embassy in Rome, cooperation with The McLuhan Centre for Culture and Technology (University of Toronto), Canadian Museum of Civilization, Bell Canada, Medialink, Nortel, Corel. Long term cooperation with Derrick de Kerckhove (Director of the McLuhan Program in Culture and Technology (1983-2008)), and Kim H. Veltman (Canadian delegate G7 Culture and Director Virtual Maastricht McLuhan Institute (VMMI) - <http://www.sumscorp.com>).

China: first visit in 1983 starting from Hong Kong toward the New Territories; invited by the European Commission as European representative to the EU China Cooperation event (1995), on that occasion the "Eurosino on line education project" has been signed between Politecnico di Milan and Beijing Capitol University under the auspices of the European Commission and the Chinese Academy of Science; Member of the Italian delegation, chaired by Prof. Luigi Berlinguer, on the occasion of the Italy-China year of culture (lectures and workshops – "New technologies and art dissemination" - 2006); Member of the Italian delegation on the occasion of the Year of Astronomy (lectures and workshops - 2008); several meetings at Beijing Association for Science and Technology (BAST) to promote cooperation projects on virtual museums (Beijing, Wuhan, Tientsin – "eCulture: let's get closer" - 2007). Recalling his visit to the Beijing Ancient Observatory on the occasion of the EU China Cooperation event (1995) he suggested to setup a ITALY/CHINA joint working group to both preserve and promote both the observatory and its instruments. This activity lasted for four years having meetings two times per year with Chinese authorities to discuss the restauration of the astronomical instruments hosted by the Ancient Observatory in Beijing, museum renovation and reshaping, and a sounding explotation project¹⁰; L'antico osservatorio astronomico di Beijing ed i suoi strumenti (2010). Asia Pacific CEO association invited him as a keynote speaker on the occasion of different events and exhibits (ICIS, GELS, WAIS, etc.) (2013-2017), he was the organiser of the Italian delegation to the Cultural Industries Expò in Dunhuang (2016).

France: ITEMS, Global Forum, Sofia Antipolis, Issy les Moulineaux, Laval Technopole, INRIA, Cooperation agreement Politecnico di Milano / Sophia Antipolis; Le Conseil de l'Europe et l'UNESCO «Industries culturelles et nouvelles technologies de l'information » (November 2001).

Germany: main partner in germany are: Fraunhofer IGD (Darmstadt) partner in different projects and initiatives, cooperation with the Hannover Messe (Hannover) in the field of International Conferences on e-Culture and research exploitation, cooperation with ART+COM (Berlin).

Austria: Invited speaker on the occasion of CULT-H Vienna (October 1999), Delegate OCCAM at the United Nations Headquarters in Vienna (Vienna International Centre – 1998/-). Main partners in Austria: Ars Electronica (Linz), The Schloß Schönbrunn Kultur- und Betriebsges.m.b.H. (SKB)

⁹ Pls. refer to Awards and Commendations, Global Forum and World Summit Award in Venice (2007), World Summit Award/ bene l'Italia. Corriere della Sera.

¹⁰ e.g. "Books, Monographs, Papers ...: Contribution to volumes" num 45.

(Vienna), Albertina Library (Vienna), Austrian Ministry of Culture, International Centre for New Media (Salzburg), World Summit Award (Salzburg), Johanneum Research (Graz), Technical University (Graz).

Russian Federation: the “Centre on the Problems of Informatisation in the sphere of Culture» (Centre PIC) and EVA Moscov have been members of MAECHA network since the inception (1997), starting from 2003 has been activated a tight cooperation with UNESCO IFAP Russian Committee (<http://www.ifapcom.ru/en>) .

Since 2003 the active participation to three main events, Saint Petersburg Hermitage Conference, UNESCO IFAP International Conference and EVA Moscow International Conference (Saint Petersburg, Moscow, Sakhalin, Yakutsk, Khanti Mansijsk). Invited by the government to celebrate 70 years of RIA Novosti news agency on June 2011, restricted meeting with the President of the Russian Federation Dmitrij Medvedev; Invited by the Russian Federation Ministry of Culture to contribute to the “Russia-EU: signs on the road map of cultural cooperation” December 2009¹¹ on that occasion the Ministry of Culture Alexander Avdeev asked him to develop a project for a Russia-Italy e-Culture showcase to be included in the joint year of culture¹².

As a follow up of the Russia/Italy year of culture, on 30 September 2012 the opera “Last Judgment” Kremlin Theatre, director Paolo Miccichè was on stage at the Kremlin theatre¹³.

India: Cooperation with Ranjit Makkuni (Xerox PARC) for the Crossing Exhibit (2003)¹⁴; Cooperation with Ranjit Makkuni (Saced World Foundation) Ghandi Multimedia Museum¹⁵; WSA Grand Jury and Winners’ Conference in New Delhi and trophy of the Manthan Award (2008)¹⁶; WSA Grand Jury in New Delhi (2009); Cooperation with Pavan Duggal, cyber laws expert, WSIS Forum 2014-2019¹⁷.

Arab Countries and Middle East

Egypt: Cultural visits in Egypt started in 1979 and in the continued in the 1980 thanks to the connection with RITSEC and the Alexandria Library a partnership is established in the 1990 on the occasion of the NetvirtualMuseums (1994)¹⁸ and MOSAIC (1995)¹⁹ projects. In recent times the Internet Governance Forum held in Sharm El Sheikh (2009) and WSA awarding ceremony and

¹¹ Pls. refer to “Books, Monographs, Papers ...: Monographs” num. 40.

¹² Pls, refer to Awards and Commendations: num. 12,13.

¹³ Pls. refer to <https://www.youtube.com/watch?v=l09OoFA5IYs&feature=plcp>

¹⁴ Pls, refer to Awards and Commendations: 1) Appointed by Ranjit Makkuni, President of the Sacred World Foundation located in San Francisco and Director of the Sacred World research laboratory, member of Scienfic Committee of the non-profit Sacred World Foundation (2003).

¹⁵ Pls. refer to Awards and Commendations: 7) Commendation for the cooperation to the project "The Eternal Gandhi Multi – Media Museum" in New Delhi (2008).

¹⁶ Pls. refer to Awards and Commendations: 10) Manthan Award India - Commendation for the cooperation in the field of eContent & Services (2009).

¹⁷ (e.g. <https://www.itu.int/net4/wsis/forum/2016/Content/documents/outcomes/WSISForum2016—ForumTrack-Outcomes.pdf> pag 243; https://www.itu.int/en/itu-wsis/Documents/wf17/WSISForum2017_ForumTrackOutcomes.pdf pag.219; https://www.itu.int/en/itu-wsis/Documents/wf17/WSISForum2017_ForumTrackOutcomes.pdf pag.196; https://www.itu.int/net4/wsis/forum/2018/Files/documents/outcomes/WSISForum2018_ForumTrackOutcomes.pdf pag. 176).

¹⁸ Pls. refer to National and International Projects num 2.

¹⁹ Pls. refer to National and International Projects num 3.

winners conference has been held in the Cittadel of Cairo and in the convention centre of Heliopolis (2012).

Tunisia: After the governmental meeting held in 2002, on that occasion the idea of a Summit on the Information society arose, in 2005 Tunis hosted the second phase of the WSIS (World Summit on the Information Society). As a active partner of the WSIS Alfredo Ronchi was responsible for two sessions and delivered a presentation within the WSA awarding ceremony. The Tunisian Association of ICT professionals is one of the key partner in some of the submitted project proposals. H.E. Habib Mansour, Ambassador of Tunisia in Rome, did two key note speeches on the occasion of the eContentAward awarding ceremony held in Milan and Rome.

Bahrain: The Kingdom of Bahrain and the Al Kalifa family were one of the key supporter of the World Summit Award since its establishment (2003), a number of meetings, evaluation processes and awarding ceremony (2005-2011) were held there. Thanks to the good relations and recognised expertise on september 2011 Alfredo Ronchi was invited by the Bahrainian Governement to evaluate a selection of e-Government projects to be implemented in Bahrain, the protest demonstration held in Pearl Square caused significant problems to the assigned task.

United Arab Emirates: The UAE and specifically the Al Zayed family were the second main WSA partner providing full support to the WSA Mobile project (2012-2016). On the occasion of the WSA Mobile 2015 the Italian application "Ancient Aquileia 3D", already awarded and selected as italian representative at the WSA mobile, won the competition having been selected winner in the category Culture and elected the best among all the winners in the other seven categories. On the occasion of the reception held in the Austrian Embassy in Abu Dhabi the Italian Ambassador H.E. Giorgio Starace congratulated the italian delegation.

Islamic Republic of IRAN: The Iranian delegation the the UN in Geneva invited Alfredo Ronchi to have a number of visits in IRAN both on the occasion of thematic exhibits and to scientific and technological laboratories and technopolis.

African Continent: A long term friendship with H.E. Adama Samassékou, President of the WSIS Preparatory Committee former Malian Minister of Education and Advisor of the Minister of Culture, was one of the key factor to enter both in the WSIS initiative since the conception and the initiative of the African Union. The cooperation is still active even because of his role as President of the MAAYA World Network for Linguistic Diversity and the candidate activity within UNESCO IFAP.

The activity within the WSIS community offered the opportunity to develop international relations with a number of countries, among them a friend from Sudan, Prof Izzeldin Osman, offered several time the opportunity to become member of the PhD team of the Sudan University of Science and technology, in 2013 Alfredo Ronchi accepted the duty, the PhD Team for the Post Graduate Studies Faculty of Computer Science & Information Technology PhD Program - 3rd Batch was composed by the following members: Prof. Eric Atwell, Prof. Jamel Feki, Prof. Alfredo M. Ronchi, Prof. Ahmed Kayed. Prof. Adnan Shout, Prof. Hany Ammar, Prof. Laurie Butgereit, Prof. Othman Khalifa.

The interest in African Union initiatives led to the first invitation to contribute to IST Africa conferences and join that community. On the occasion of the meeting at Mauritius (2014) the contribution “Made in Africa: African Digital Creativity” in addition to a selection of african products the paper contains a paragraph devoted to the PhD in Sudan. On the occasion of the 2016 meeting held in Durban (South Africa) a fruitfull cooperation with the Research Group Leader for Cyber Defence at the Council for Industrial and Scientific Research (CSIR) – South Africa. The project proposal described in the paper “African heritage: A true asset” foresees a double tier approach to African Heritage on both educational level and economic lever.(pls. refer to “Books, Monographs, Papers ...”:proceedings num. 209 other IST Africa papers 200, 220, 226)

Malaysia: In 1997 he, as EC MEDICI representative, received a personal from the Malaysian Prime Minister Mahathir bin Mohamad the invitation to attend the presentation of the Multimedia Super Corridor project (Cyberjaya, Putrajaya) held at the Imperial University in London on May 2007. One of the follow ups of the invitation were some visits in Kuala Lumpur and meetings in Cyberjaya to report to the European Commission possible cooperations in the field of e-content and e-services.

Social skills and competencies

He started the activity more than thirty years ago in an international environment, establishing relations and cooperations at various levels. Thanks to the close cooperation with the European Commission, Council of Europe, United Nations, UNESCO and International Telecommunication Union it was easier to establish relations with governments and diplomatic representatives in a number of countries being invited to contribute to studies and projects.

Computer Graphics and Virtual Reality

- SigGRAPH - Global Illum Group community (US);
- ICGRAPHICS community (EU);
- ECAADE community (EU);
- Virtual Reality (US/EU/JP).

Organiser, chair of conference sessions, workshops, courses (IEEE, ACM SigGRAPH, ICGRAPHICS)

Web Technology

- Contacts with CERN offered the opportunity to join Web technology very early
- World Wide Web Conferences / W3C active contribution starting from 1992 up to 2005 with specific reference to the so-called "Culture Track".²⁰

Culture, Education

- AJ0103 project, on line course of applied computer science, awarded by the Chamber of Commerce, Milan (1993-94)
- "Ricci-Oddi Art Gallery" project, first on line art gallery in Europe (1994-95)²¹
- "Musei Virtuali in Rete" project proposal submitted as Progetto Strategico BB.CC. (Cultural Heritage Strategic Project) (1994)²²
- NetVirtualMuseums project proposal submitted to EC Telematics (1994), not awarded because web technology was almost unknown
- Responsible for the cooperation agreement between CINECA, Scuola Normale Superiore di Pisa, CNR Roma, Politecnico di Milano (cooperation agreement signed by the partners)
- MOSAIC Museum Over States And Virtual Culture (EC TEN Telecom) (1995-1997)²³
- Member of the Member of Multi-media access to Europe's Cultural Heritage Memorandum of Understanding (1995)
- MAECHA (EC Tender) European Cultural Heritage Agency (1996-1998)
- FOCUS - Formazione e Cultura per lo Sviluppo Locale (Interreg IIIA ITA/SWISS)
- Progetto FP7-ENV-2008-1 EC Policy Making – EU Cultural Heritage Identity Card EU CHIC (2008-2011)
- Progetto ABI – Studio fattibilità quadriere banche (2006) (Coordinatore)
- Progetto MIUR – Beijing Ancient Observatory (2008-2010) (Coordinatore)
- JPI Heritage - SMART VALUE (2013 - 2017) (Coordinatore Scientifico)

²⁰ E.g. "Books, Monographs, Papers ..." e) Contributions to conferences published ... num. 63, 89, 90, 91, 96, 105.

²¹ E.g. "Books, Monographs, Papers ..." e) Contributions to conferences published on proceedings num. 35.

²² E.g. "Books, Monographs, Papers ..." e) Contributions to conferences published on proceedings num. 45, 47.

²³ .g. "Books, Monographs, Papers ..." e) Contributions to conferences published on proceedings num. 55, 56.

eContent & eServices

- Progetto PIT n. 4 – POR PUGLIA 2000/2006 - Sistema Informativo GEstionale per il settore del Mobile imbottito dell'area della Murgia SIGEMM (2006-2008)
- EU AAL - We Care (assegnato ma non firmato causa ritiro Siemens) (2009)
- EU ALL - SOCIALIZE (2010) (Coordinatore Scientifico)
- I-Carabinieri – in cooperation with Arma dei Carabinieri and Intellitronika
- Crime Scene – training platform for first responder – project proposal to Carabinieri

ICT for Safety and Security

- H2020-BES-2015 - SEC BES 15 – RIA - 700448 - EUGENE EU intelliGEnt laNd bordErs: Improving Security and User-Experience for European Traveller through Research and Examination (2015) (Coordinator)
- H2020-SEC-2016-2017 SEC BES 15 – RIA - 740881 – EUROGENE €URO intelliGEnt laNd bordErs cost efficient risk based approach to land border security (2016) (Coordinator)
- H2020-WIDESPREAD-2016-2017 – CSA – 810423 – CyberTwin (Italian Partner)
- EC H2020 SEC BES – 787140 - TALOS - Technologies and solutions for enhanced risk management And situational awareness at bOrder croSSings - Risk-based screening at border crossing (2017 - 8M€) (Coordinator)
- EC H2020 SEC BES – 786908 - THESEUS - THERE are always accEptable border-crossing solUtions Acceptance of no gate crossing point solutions - Innovative assessment methodology (2017 - 3M€) (Coordinator)
- EC H2020 FCT07 - 787150 - NEW methods for evaluating the human factOr for preventIng and mitigating High Impact Petty Crime - NEWTON-HiPec (2017 – 3M€) (Italian Partner)
- H2020-SU-DS-2018-2019-2020 - DS01 IA- 833360 - ANGEL : Fostering the Culture of Cyber Security in Europe (2018 – 5M€) (Coordinator)
- H2020-SU-SEC-2018-2019-2020 – BES01 RIA – 833405 - HERMES : Human Factors and EU Perception (2018 – 5M€) (Coordinator)
- H2020-SU-SEC-2018-2019-2020 – FCT03 IA - 833974 – JANUS : Heterogeneous data stream risk-based screening (2018 – 8M€) (Ideator and Promoter)
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He is member of the OCCAM steering committee, accredited as ECOSOC representative at UNO International Centre in Vienna and later on at UNO Geneva, member of the Scientific Committee of Global Forum (F-USA), UNO Infopoverty Programme and GRID Initiative, Sacred World Foundation (New Delhi), Fondazione Italiana Nuove Comunicazioni (Italy). He founded, and he is actually the general secretary of an international not for profit organisation (Europe, Asia, America) promoting the use of new and emerging technologies in the field of culture (MEDICI Framework). Secretary of the European Union Directives Working Group, President of the Italian eContentAward, Italian representative within the World Summit Award Grand Jury (178 countries), member of the board of executive directors of the World Summit Award, member of the board of directors of the Top Talent Award, Global Forum, Fondazione Italiana Nuove Comunicazioni (FINC) and ENSA. Member of UNESCO IFAP Intergovernmental Council working group; he significantly contributed to the final declaration of Moscow on digital preservation (2011) adopted by the UNESCO General Assembly in Jan 2012, and the final declaration of Sakhalin on the impact of ICTs on society (2013).

Organisational skills and competences

In addition to the already mentioned experiences he was appointed several times as coordinator or general manager either in the private sector (manager or entrepreneur) and in public entities in the role of leader and coordinator EC project (MOSAIC, MIMS, Vertikult, EU-CHIC, SOCIALIZE, SMART VALUE, etc) and of research teams and laboratories (HMG Lab, Polimi-SNS-CINECA-CNR research team, Virtuality Group, OCCAM labs, S2D2, etc).

He cooperates with The World Bank, UNESCO, The Italian Ministry for Foreign Affairs (e.g. Culture Counts - Florence '99), G7, G8 (e.g. G7 Cultura - Roma 1996, On Culture in a world wide information society - Genoa 2001), W3C, ACM (e.g. Long term preservation of digital content - New York 2004).

He cooperates as organizer or programme chair in W3C, ACM, IEEE conferences; from more than fifteen years he organizes and manages international conferences and workshops on the occasion of CeBIT, WWW and Global Forum conferences. He was appointed by the Ministry of University and Research member of the workgin group on the occasion of Italy / China year of Culture and on the occasion of the Year of Astronomy in China.

The Russian Minister of Culture appointed Alfredo Ronchi responsible for the project eCulture in the framework of the Russian Federation / Italy year of Culture 2011.

On the administrative side he mainly experienced the private side working for companies and associations (untill 1993).

From 2005 to 2015 he promoted the creation of a university interdisciplinary cluster on ICT for safety, security, defense, disaster recovery, in 2015 the cluster was established and later became a JRC with the active participation of international Institutions, research centres and companies.

Academic qualifications

Scientific responsibility for international and national research projects, eligible for funding on the basis of competitive calls for peer review. In the 1980s research projects were mainly aimed to explore the potential use of ICT in the field of building and construction and real estate. Among the others we recall Project "Vano" (1981) developed in FORTRAN on a storage graphic terminal, mechanical and mecatronic design of a Goniophotometer data acquisition system, BZ Main lighting design program (1983), Eugenio Expert System natural language I/O E.S. based on frames and slots (1984), AN.CO.PRE dynamic cost analysis program based on recursive programming technique (1985), Co.Ca. accounting program for construction sites (1986), AutoGEPI real estate management through BIM application (1987), PIC, AutoPIC (1990), etc.. The research projects in the field of lighting techniques have been commissioned by: Disano Illuminazione, Artemide Litech, SBP, SIVI /Ilesa, Thorn, Ge Lighting, Sylvania. Starting from the end of the 1980s the growing interest for Virtual Reality and Web technology led to further development in different fields.

Some of the recent international projects and working groups established and coordinated are:

A) *On Culture in a world-wide Information Society.*

The research activity started in 1997 as a MAECHA initiative care of Alfredo Ronchi, in 2001 on the occasion of the G8 Summit a report was delivered to participants through the sherpas. Main contributors to the research activity are: Ronchi Alfredo M., Politecnico di Milano; Christian Benedik, Albertina; Gerhard Budin, University of Vienna; Andrew Cameron, Maplehurst Consultants, Canadian Heritage Information Network; Daniel Dardailler, World

Wide Web Consortium; Eleanor Fink, The World Bank; Mercedes Giovinazzo, Council of Europe; David Green, National Initiative for a Networked Cultural Heritage; Philip Greenspun, Massachusetts Institute of Technology; Johan Hjelm, Ericsson Research Applications Research Group; Jane Hunter, Distributed Systems Technology Centre; Sarah Kenderdine, Powerhouse Museum; Huichuan Liu, TamKang University; Rose Lockwood, Berlitz GlobalNET; Kim Machan, Multimedia Art Asia Pacific; Ranjit Makkuni, Xerox Palo Alto Research Center; Kathi Martin, Drexel University; Shinji Matsumoto, United Nations Educational, Scientific and Cultural Organization; Georges Mihaies, Oslo Platform; Katsuhiko Mouri, Nagoya City Science Museum; Liddy Nevile, University of Melbourne; Stephen Selby, Hong Kong Special Administrative Region Government; Oreste Signore, World Wide Web Consortium; Bernard Smith, European Commission; Lynn Thiesmeyer, Southeast Asia Online Archive; Kim H. Veltman, Maastricht McLuhan Institute; Friso Visser, European Commission; Stuart Weibel, Dublin Core Metadata Initiative, Online Computer Library Center. The final report to the G8 has been edited care of Eleanor Fink (The World Bank)

B) *Long term preservation of digital content (WWW New York 2004, Asolo 2006, Moscow 2014).*

The study on long term preservation of digital content initiated in the year 2000 led to the Moscow declaration (2011) adopted by the UNESCO General Assembly in 2012. Through the time cooperated to the scope among the others: Kenneth Thibodeau, Director NARA Electronic Records Archives Program; Lynn Thiesmeyer, Professor Keio University; Raymond Lorie, IBM Almaden Research Center; Antonio De Vita, Data Storage Consultant IMATION; Ingrid Fischer-Schreiber, Ars Electronica Center Linz; Manfred Lechner, University of Art and Design; Shinji Matsumoto, Director of New Technology for Culture UNESCO; Chen Bitan, Cyber-Ark Software, Tel Aviv; Luciana Duranti, School of Library, Archival and Information Studies of The University of British Columbia, Canada; Nitya Karmakar, University of Western Sydney, Sydney, Australia; Guenther Kolar, Ludwig Boltzmann Institute Media.Art.Research & Ars Electronica Futurelab, Linz, Austria; Mathias Jehn, German National Library, Frankfurt on Main, Germany; April Miller, The World Bank, Washington DC, US; Mario Pò, Management ULSS8 Asolo, Italy; Micaela Procaccia, Ministry for the cultural assets and archives, Directors General's Office for Archives, Italy; Giangiulio Radivo, Delegated Diocese of Rome c/o Vatican Radio, Vatican State; Ronchi Alfredo M., Politecnico di Milano; Seamus Ross, Humanities Advanced Technology and Information Institute (HATII), University of Glasgow, UK; Irmgard Schuler, Vatican Library, Vatican State; Kim Henry Veltman, Scientific Manager of Maastricht McLuhan Institute, The Netherlands.

C) *EU directives and cultural heritage.*

The final report on the European working group has been published in 2005 main contributors are:

Akerboom Jacques, Director, Monumentenwacht Holland, Netherlands; Ballu Elisabeth, Head of section, Ministry of Culture and Communication, France; Sklodowski Marek, Dr, Polish Academy of sciences; PPT PAN, Poland; Drdácý Miloš, Director, Institute of Applied Mechanics of the Czech Academy of Science, Czech Republic; Linnanmaki Seija, Conservation officer, National Board of Antiquities, Finland; Mattinen Maire, Director, Department of Monuments and Sites, National Board of Antiquities, Finland; Moropoulou Antonia,

Professor, Technical University of Athens, Secretary General of TEE, Greece; Aggelakoulou Eleni, Technical University of Athens, Greece; Wolfgang Karl Göhner, Deutsches Nationalkomitee für Denkmalschutz, Germany; Höhnes, Professor Dr. Chair of sub-committee for taxes and law, National Komitee für Denkmalschutz, Germany; Pollack Anita, Head of European Liaison, English Heritage, United Kingdom; Heath David, Chief Architect, English Heritage, United Kingdom; Ronchi Alfredo M., Professor, Building and Environment Sciences and Technology Dept., Politecnico di Milano, Italy, Erenmalm Thomas, Advisor, Riksantikvarieämbetet (National Heritage Board), Conservation Department, Sweden; Westerlund Kerstin, Senior Adviser Cultural Heritage Issues, National Property Board, Sweden; Rosvall Jan, Professor Chalmers University of Technology and Gothenburg University, GMV Centre for Environment and Sustainability, Sweden; Wohlkinger Bernd, Eutema Technologie Management, on behalf of the Ministry of Culture, Austria; Nypan Terje, Senior Advisor, Directorate for Cultural Heritage, Norway; Sobola Jiri, Director of the National Testing Institute, Czech Republic; Sijanec Zavrl Marjana, ZRMK, Building and Civil Engineering Institute, University of Lubiana, Slovenia; Zarnic Roko, Professor, University of Lubiana, member COST Scientific Committee, Slovenia; Denyer Susan, Secretary, ICOMOS-UK, United Kingdom.

D) ICT for safety and security in the framework of the World Summit on the Information Society Forum.²⁴

The activity was originated in 2015 by the JRC S2D2 and published within the WSIS Forums in Geneva. Main contributors to the initiative are: Pavan Duggal (Head Pavan Duggal Associates – India); Andrea Medico (Innovation Manager, Intellitronika - Italy); Sarah Fox (Associate Professor, Coventry University – United Kingdom); Chiara Francalanci (Full Professor, Politecnico di Milano - Italy); Matteo Basso (Technical Secretariat, Observatory on Security and Defence CBRNe – Geneva - CH); Samia Melhem (Lead Policy Officer, Global ICT Group, Transport & ICT, The World Bank - USA); Lynn Thiesmeyer (Full Professor Faculty of Environment and Information Studies, Keio University – Japan - remote participant); Tin Win Aung (Chairman of Myanmar Computer Company and President of the Environmental and Economic Research Institute, Yangon - Myanmar); Elisa Liberatori Prati (Chief Archivist, The World Bank); Mahdi Bina (Chief Technology Officer - Presidential Office – Islamic Republic of Iran); Simone Colombo (Delegate JRC S2D2 Fondazione Politecnico di Milano – Italy); Jabu Mtsweni (Research Group Leader for Cyber Defence at the Council for Industrial and Scientific Research (CSIR) – South Africa); Gianluca Sensidoni (Intelligence & Defense Sales Manager - R&D Security Manager - Expert System S.p.A. – Italy); Herve Rannou (CityzenData, France); Nadia Saad Noori (Teknova, Norway); Hayley Watson (Trilateral Research, UK); Alessia Golfetti (DeepBlue, Italy); Dina Simunic (University of Zagreb, Croatia); Ranjit Makkuni (Sacredworld Foundation, India).

²⁴ Pls. refer to <https://www.itu.int/net4/wsis/forum/2015/PolicyStatements/> pag 299; <https://www.itu.int/net4/wsis/forum/2016/Content/documents/outcomes/WSISForum2016ForumTrackOutcomes.pdf> pag 339; pag 250; https://www.itu.int/en/itu-wsis/Documents/wf17/WSISForum2017_ForumTrackOutcomes.pdf pag 196.

National and International Projects (submitted, coordinated, developed – 1993-2018)

- 1) Progetto Strategico BBCC – Musei Virtuali in Rete (1993-1995) (Coordinator)
- 2) EC Telematics Program – NetVirtualMuseums (1994) (Coordinator)
- 3) EC TEN Telecom Call for proposals – Museum Over States and Virtual Culture MOSAIC (1995-1997) (Coordinator together with Infobyte)
- 4) EC TEN Telecom Call for Proposals – PERIPATETIC: innovation in education and training (1996)
- 5) EC Tender – Museum Archives Exhibition Cultural Heritage Association MAECHA (1996-1998) (Coordinator)
- 6) Vari Progetti per Assessorato Cultura Provincia di Milano dal 1996 al 2005 (Coordinator)
- 7) EC Tender MEDICI Tech Net (Coordinator)
- 8) Progetto EDU Multimedia Teximage (2001 Coordinated by Oda Multimedia - France Telecom)
- 9) PRIN 2001: Il sistema informativo a supporto delle strategie innovative di conservazione del patrimonio storico-architettonico (24 months) (Responsible of the Unit)
- 10) Progetto Telecom Italia – Digitalandia (2001 -2003) (Scientific Co-director , Technical Director)
- 11) Progetto INTERREG IIIC – C-Net (2003) (Coordinator)
- 12) Monumentenwacht Research Group (COE) (duration 48 months) (Italian representative)
- 13) Progetto EC eContent – e-Prometheus (2004) (Italian Partner)
- 14) Progetto ECHO – European Cultural Heritage Observatory (2004) (Coordinator)
- 15) Progetto INTERREG IIIA - FOrmazione e CULTura per lo Sviluppo locale FOCUS (2004) (Coordinator)
- 16) Progetto IINTERREG IIIB – MEDOCC a MEDiterranean knowledge economy network to support techno-economic clusters in decision making” (2004 – 2005) (Italian Partner)
- 17) Progetto INTERREG IIIC CADSES - Architectural and Landscape Photography for Human settlements Analysis ALPHA (2004) (Coordinator)
- 18) EC eContent Plus - BECOS NET - European Best eContent and Services Network (2005) (Coordinator)
- 19) EC Culture 2000 – CultureTrails (2005) (Coordinator)
- 20) Progetto INTERREG IIIA – TrailBox – Methods and Tools to create, share and relate "atoms" of in-depth study on territories and cross-border cultures Lombardia/Ticino. (2005) (Coordinator)

- 21) Progetto FP7-ENV-2008-1 EC Policy Making – EU Cultural Heritage Identity Card EU CHIC (2008-2011) –(Advisor)
- 22) Progetto ABI – Studio fattibilità quadriere banche (2006) (Coordinator)
- 23) Progetto PIT n. 4 – POR PUGLIA 2000/2006 - Sistema Informativo GESTionale per il settore del Mobile imbottito dell'area della Murgia SIGEMM (2006-2008) (Scientific Director)
- 24) Progetto MIUR – Beijing Ancient Observatory (2008-2010) (Coordinator)
- 25) Progetto EC eContentplus 2008 - Knowledge Universal System KUS (2008) (Coordinator)
- 26) EU AAL – We Care (funds assigned but contract not signed due to withdrawal from Siemens) (2009) (Scientific Director)
- 27) ABI - Quadriere Banche Italiane (2007-2009) (Coordinator)
- 28) EU ALL - SOCIALIZE (2010) (duration 24 months) (Scientific Coordinator, Respons. Milan Unit)
- 29) EU CIP ICT PSP 2010 – 4 - SMARTONE (2010) (Italian Partner)
- 30) EU Policy Making - Advanced materials and new technologies for conservation interventions: compatibility control with the original materials and structures and examination of the sustainability for the protection of monuments of Cultural Heritage THALIS (2010) (Italian Partner)
- 31) JPI Heritage - SMART VALUE (2013 – 2017) (Scientific Coordinator)
- 32) Israeli-Italian Call for Proposals on Scientific & Technological Cooperation - DIGITAL TRACES THROUGH CULTURE (2014) (Coordinator)
- 33) COS-CLUSTPARTNS-2017-3-02 - COSME-GA – 822088 - ICTInno ESCP-S3 (Italian Partner)
- 34) H2020-BES-2015 - SEC BES 15 – RIA - 700448 - EUGENE EU intelliGEnt laNd bordErs: Improving Security and User-Experience for European Traveller through Research and Examination (2015 - Ideator and Coordinator)
- 35) H2020-SEC-2016-2017 SEC BES 15 – RIA - 740881 – EUROGENE EURO intelliGEnt laNd bordErs cost efficient risk based approach to land border security (2016 - Ideator and Coordinator)
- 36) H2020-SC6-CULT-COOP-2016-2017 – RIA - 770069 - intelligent & Sustainable Cultural data Aggregator for conceptually enableD mining and management – Experience - SCALE Experience (Coordinator)
- 37) H2020-WIDESPREAD-2016-2017 – CSA - 763809 - Smart, Safe and Energy Efficient City - SSE-CITY (Italian Partner)

- 38) H2020-ICT-2016-2017 – 780850 - Predictive Analysis and Real-time interactive visualisation FOR sUStainable societies - PART 4 US (2016) (Italian Partner)
- 39) H2020-WIDESPREAD-2016-2017 – CSA – 810423 – CyberTwin (Italian Partner)
- 40) H2020-LC-CLA-2018-2019-2020 – RIA – 821244 -EASME (Italian Partner)
- 41) H2020-SC6-MIGRATION-2018-2019-2020 – IA – 822220 - CHAMPION (Italian Partner)
- 42) H2020-SC6-MIGRATION-2018-2019-2020 – IA – 822697 - CHANCE (Italian Partner)
- 43) H2020-SwafS-2018-2020 – CSA - 824661 - NBS4All (Italian Partner)
- 44) EC H2020 SEC BES – 787140 - TALOS - Technologies and solutions for enhanced risk management And situational awareness at bOrder croSSings - Risk-based screening at border crossing (2017 - Ideator and Coordinator)
- 45) EC H2020 SEC BES – 786908 - THESEUS - THEre are alwayS accEptable border-crossing solutiOnS Acceptance of no gate crossing point solutions - Innovative assessment methodology (2017 - Ideator and Coordinator)
- 46) EC H2020 FCT07 - 787150 - NEW methods for evaluating the human facTOr for preveNting and mitigating High Impact Petty Crime - NEWTON-HiPec (2017 – Italian Partner)
- 47) ENI-CBC MED Programme – An Innovative Network-Incubator for Cultural-Environmental Tourism in the euro-Mediterranean Area - CULTOUR (2018 – Italian Partner)
- 48) H2020-INNOSUP-2018-2020 CSA – 828958 - STREAM (2018 – Italian Partner)
- 49) H2020-SU-DS-2018-2019-2020 - DS01 IA- 833360 - ANGEL : Fostering the Culture of Cyber Security in Europe (2018 – Ideator and Coordinator)
- 50) H2020-SU-SEC-2018-2019-2020 – BES01 RIA – 833405 - HERMES : Human Factors and EU Perception (2018 – Ideator and Coordinator)
- 51) H2020-SU-SEC-2018-2019-2020 – FCT03 IA - 833974 – JANUS : Heterogeneous data stream risk-based screening (2018 – Ideator and Promoter)
- 52) H2020- SU-SEC-2018-2019-2020 - DRS02-DRAGON: Integrated System for Real Time Prognosis and protection against CBRN Threats. (partner 2019)
- 53) H2020- SU-SEC-2018-2019-2020 - FCT03-POSEIDON: From data flow analysis to actionable intelligence (2019 – Ideator and Coordinator)

- 54) H2020- SU-SEC-2018-2019-2020 - GM01-PROTECT: PRacticioners' netwOrk and capaciTY building for EffeCtive countering hybrid Threats in the EU and the Neighbourhood countries (partner 2019)
- 55) H2020- SU-SEC-2018-2019-2020 - SU-FCT01 2019 GABRIEL: Fighting against crime and terrorism: Human Factors and social, societal, and organisational aspects (2019 – Ideator and Coordinator).

University Courses

- Lecturer "Progettazione Edile Assistita" c/o Politecnico di Milano - Dipartimento DISET (1984)
- Set of lectures – two AA years "Strumenti ICT per i Beni Culturali" c/o Scuola Normale di Pisa (via della Faggiola)
- Lecturer "Algoritmi e Strutture Dati" c/o Università degli Studi di Milano – Computer Science Department – Crema (since the establishment of the University in Crema – 15 years)
- Lecturer "Editoria Multimediale" c/o Università Statale di Milano – Computer Science Department - Crema
- Lecturer "Multimedia e Realtà Virtuale" c/o Università Statale di Milano – Computer Science Department - Crema
- Lecturer "ICT per i Beni Culturali" c/o Industrial Design Faculty, Politecnico di Milano (since the establishment of the Faculty)
- Lecturer "Strumenti e Tecniche per la Multimedialità" c/o Industrial Design Faculty, Politecnico di Milano
- Lecturer "Strumenti e Tecniche per la Multimedialità" c/o Industrial Design Faculty, Politecnico di Milano

Last ten years: Industrial Design Faculty "Strumenti e Tecniche per la Multimedialità", "Laboratorio di Strumenti e Tecniche per la Multimedialità" - master of science "Strumenti informatici per il recupero e la gestione del patrimonio architettonico", "Valorizzazione del patrimonio storico architettonico + valorizzazione dei beni culturali". Architecture Master of Science "Gestione dei beni culturali".

Centro Universitario Europeo per i Beni Culturali, Ravello – PhD "eCulture: cultural heritage preservation and valorisation", 2003

IMT Altì Studi Lucca: "Computer science applied to cultural heritage" - PhD "Management and development of cultural heritage", 2010

IMT Altì Studi Lucca: "Computer science applied to cultural heritage and art criticism" PhD "Management and development of cultural heritage", 2011

Post Degree Courses

1. Co-director course: Tecniche automatizzate per la progettazione edilizia. Politecnico di Milano, Facoltà di Ingegneria, Istruzione permanente. 7-11 and 14-18 October 1991;
2. Lecturer: Centro Universitario Europeo per i Beni Culturali, Ravello – PhD "eCulture: cultural heritage preservation and valorisation", 2003;

3. Co-director course: La progettazione illuminotecnica. Politecnico di Milano, Facoltà di Ingegneria, Istruzione permanente. 10-11 and 24-25 November 1994;
4. Lecturer: Corso di alta formazione in gestione e comunicazione- indirizzo storico artistico ed indirizzo archeologico. Scuola Normale Superiore di Pisa. Cortona, 1997-1998;
5. Lecturer: Master in Gestione e Comunicazione dei Beni Culturali. Scuola Normale Superiore di Pisa. Cortona, 22 September 1997 – 13 March 1998;
6. Director of the post degree course: FSE n° 23689 – Archiviazione e comunicazione informatizzata del patrimonio culturale (1999);
7. Lecturer: Master in Progettazione e Produzione Multimediale. Università degli studi di Milano, dipartimento di Scienza dell'Informazione, Polo didattico e di ricerca di Crema. 31 gennaio – 30 giugno 2000;
8. Director of the post degree course: Corso per tecnici esperti in archiviazione e comunicazione informatizzata del patrimonio culturale - Corso FSE n° 23689 Ob.3,2,3. Milano, 2000;
9. Director of the post degree course: Corso FSE di alta formazione per la didattica e la comunicazione multimediale del patrimonio culturale. Corso FSE Ob.3, C 2.3. Milano, (2001)
10. Director of the post degree course: FSE n° 23588 – Nuovi media per la comunicazione. Corso FSE Ob.3, C 2.3. Milano, (2001);
11. Director of the post degree course: Corso FSE di alta formazione in gestione di servizi digitali interattivi - Indirizzo culturale. Corso FSE Ob.3, C 2.3. Milano, (2001);
12. Director of the post degree course: FSE 2002 n°49509, Nuovi media per la comunicazione;
13. Director of the post degree course: FSE 2003 n° 85456, Comunicazione, interattività e nuovi media;
14. Director of the post degree course: FSE 2003 n°85457, Valorizzare il patrimonio culturale nella società dell'informazione;
15. Director of the post degree course: FSE 2003 n°85458, Progettazione di servizi culturali tecnologicamente avanzati;
16. Director of the post degree course: FSE 2003 n°85460, Arte, spettacolo, comunicazione nella società dell'informazione;
17. Director of the post degree course: FSE 2004 n°242848 "Società dell'informazione: comunicare attraverso l'interattività ed i nuovi media";

18. Director of the post degree course: FSE 2004 n° 242849 "Strumenti didattici innovativi per la società della conoscenza";
19. Director of the post degree course: FSE 2004 n° 242850 "Turismo ed ambiente: promuovere la conoscenza del territorio e delle culture attraverso le nuove tecnologie";
20. Director of the post degree course: FSE 2004 n° 42851 "Valorizzare il tempo libero nella società della conoscenza: la tecnologia digitale dai giochi educativi ai parchi tematici";
21. Director of the post degree course: FSE 2005 n° 242848 "Società dell'informazione";
22. Director of the post degree course: FSE 2005 n° 242850 "Turismo ed Ambiente";
23. Director of the post degree course: FSE 2005 n° 347551 "Strumenti di gestione della conoscenza ed e-learning per il settore umanistico";
24. Co-organiser of the master - Comunicazione e Didattica dell'Antico - Politecnico di Milano - Università Federico II Napoli 2009 – 2011;
25. Lecturer: PhD in computer science at Sudan University of Science and Technology - College of Computer Science and Information Technology – Khartoum 2013 – 2016.
26. Examiner PhD in Computer Science Degree: Candidate Ms M Makamba, Title of thesis: Dynamic integration of Heterogeneous services, University of South Africa 2019

Teaching or research fellowships at universities and research institutes, foreign and international, of high qualification and ERASMUS Placement Program

1. Scuola Normale di Pisa - Collection of lectures "Strumenti ICT per i Beni Culturali" (ICT Tools for Heritage) (1993-1995) lecturer
2. Universidad de las Islas Baleares (UIB), Palma de Mallorca (E) (1997) – Collection of lectures "Multimedia Communication" – English Language
3. Meeting in Cannes on Cultural Heritage Preservation and Management, Keio University, Tokyo 12/02/1999
4. Scuola Normale di Pisa - Progetto Cortona - Master in gestione e comunicazione dei beni culturali, collection of lectures in Cortona (1997) Lecturer
5. Network of Excellence - KEIO University, Tokyo 05/1999

6. Keio University Shonan-Fujisawa Campus - Tokyo - "Culture and Digital Media" lecturer Alfredo M. Ronchi (12/2000) - English Language
7. Keio University Shonan-Fujisawa Campus - Tokyo - Collection of lectures "On Culture in a world wide information society" (2002) - English Language
8. Keio University Shonan-Fujisawa Campus - Program for Policy Innovations in Japan and Asia-Pacific: Human Security Research (2002) member of the research team
9. Keio University Shonan-Fujisawa Campus, Program for Policy Innovations in Japan and Asia-Pacific: Human Security Research, Project for Local Initiatives in Development and Human Security under the "The 21st Century Center of Excellence Program" Ministry of Education, Japan - A Regional Workshop on Human Security and Local Initiatives in Development, International Center, Chiang Mai University, Chiang Mai, Thailand, 5 –7 December 2003, lecturer Alfredo M. Ronchi
10. Responsible of the Erasmus Placement program with the University of Patras Greece - Department Culture & New Technologies Management Greece (2010 - 2018) Students: Georgiadou Aikaterini, Menteti Elisavet, Rafael Rousos
11. Master Post Degree on Beni Culturali – Villa Rufolo, Ravello, Italy (October – December 2002), Museum networks: problems of interoperability and integration with libraries and archives // Multimedia access to world cultural heritage , lecturer Alfredo M. Ronchi - English Language
12. National Technical University of Athens (NTUA) - Collection of lectures and workshops "ICT tools for built heritage conservation ", "An Integrated Strategy for Cultural Heritage" (2003)- English Language
13. Università Federico II – Napoli, Master "Comunicazione e Didattica dell'Antico", "e-Culture" (2010) – English Language
14. Politecnico di Milano, doctorate course "Progetto e tecnologie per la valorizzazione dei beni culturali" Tecnologie per i beni e le attività culturali Innovazione nel processo e nel progetto di architettura (2010) Lecturer
15. Beijing Association for Science and Technology (BAST) – collection of lectures (three Academic years) "Virtual Museums", "eCulture" – lecturer Alfredo M. Ronchi - English Language

16. IMT Alti Studi Lucca: PhD Management and Development of Cultural Heritage MDCH - XXV Cycle; course title: "Computer science applied to cultural heritage" (2010); lecturer Alfredo M. Ronchi - English Language
17. IMT Alti Studi Lucca: PhD Management and Development of Cultural Heritage MDCH - XXVI Cycle; course title: "Computer science applied to cultural heritage and art criticism" (2011); lecturer Alfredo M. Ronchi - English Language
18. Sudan University of Science and Technology College of Graduate Studies - College of Computer Science and Information Technology PhD Program by Taught Courses and Dissertation - 3rd Batch: course "eCulture: Management and sustainable exploitation of cultural heritage" (2012-2016)- English Language.

International PhD Thesis (sample)

Direction thèse de Mme Marie Pierre Favre « L'importance de la mobilité étudiante pour la vie professionnelle des ingénieurs dans un contexte de globalisation. Champ de recherche : l'INSA de Lyon ». Cette thèse a été soutenue en 2011 à l'université de Paris 8 - French language

Direction thèse de Mme Valérie Mézière : « Géopolitique et Management durable du Tourisme:Un exemple d'application : la Turquie». Cette thèse a été soutenue en 2008 à l'université de Paris 8 - French language

Member of the board of examiners for the degree of PhD, Mrs Perla Innocenti, "From cultural heritage to cultural heritage informatics: critically investigating institutions processes and artefacts", School of Culture and Creative Arts, University of Glasgow 2016

Responsible PhD Thesis : Sudan University of Science and Technology College of Graduate Studies - College of Computer Science and Information Technology PhD Program by Taught Courses and Dissertation 2013 – 2016 – English language

Member of the board of examiners for the degree of PhD in Computer Science, Mrs Makamba Makaziwe, "Dynamic integration of Heterogeneous services", University of South Africa, Pretoria 2019

Results obtained in technology transfer in terms of participation in the creation of new companies (spin off)

Spin off - some graduate theses have given rise to spin offs e.g.:

- Leonardo3- [http:// www.leonardo3.net](http://www.leonardo3.net);
- Jeco - <http://www.jeco.biz>).

Spin off generated by the joint research within ACM Siggraph's Globalillum group for the realization of Radiosity system URCA – four students developed their thesis on the basis of the research and started their professional activity further developing and adapting the system to specific needs.

- International promotion of new Italian spin off in the eContent & Services sector through the World Summit Award Network and Global Forum (some examples):
- Noi interactive book by Max Coppeta (2005);
- “adelinquere arte” by Alessandro Pietrantonio (2005);
- Euromania by Raffaele Russo (2005);
- Chocolat 3.B Podcast by Luca Piergiovanni (2009)
- Tutto su Bufale, Leggende Metropolitane, Verifica Hoax e Appelli Umanitari, Sicurezza by Silvio Passalacqua (2009);
- Scuole di Psicoterapia by Mattia Di Giuseppe (2009);
- Personal Digital VIP by Sara Caminati (2009);
- No Poverty Exclusion by Dalia Morosini (2009);
- www.navediclo.it by Silvia Carbotti (2010);
- E-State Book, Un E-Book Per L'estate by Sara Caminati (2010);
- I Consigli Del Maresciallo Saetta by Raffaele Schiavullo (2010);
- TALY by Alice Avallone (2010):
- "Augmented Irreality", Interactive Video Installation, Time Variabile by Chiara Passa (2010):
- Carfriends by Paolo Finizio (2010):
- NUOK by Alice Avallone (2011)

Participation in Academies with prestige in the sector

KEIO University Excellence Network - Tokyo (Japan) 05/1999

Artistic Skills And Competences

Music, writing, drawings, etc. :

He studied and played piano for six years and classical guitar for more than three

He is fond of arts with particular reference to music, painting, sculpture and photography.

He cooperated for some years with conceptual artists and performers.

OTHER SKILLS AND COMPETENCES

Electronics (1970s), Art history, history of time measurement, classic cars restoration and maintenance.

LICENSE OR LICENCES

Motorcycle "A", Car "B", unlimited distance Sail & Motor boats (up to 40 tons), VHF radio operator, attended flight school, due to negative events he decided to step back two times.

ACTUAL SPORTS

Sports: Swimming, Cross Country Skiing, Downhill Skiing , Sailing, Biking, Motorbike riding, Golf playing.

Milan, November 2019