



CELESTINO SODDU

curriculum vitae (2024)

- > Registered Architect in Rome, Italy, since 1971
- > Professor of Architectural Design at Italian Universities since 1971. (since 1988 at Politecnico di Milano University, Italy). Until 2015/2016 he is the professor of "Generative Design" at the Master School of Design of Politecnico di Milano University. (English language teaching)
- > Director of Generative Design Lab, Politecnico di Milano University
- > Honorary Professor of Xi'an University of Architecture and Technology and at Shanghai University, China
- > Chairman of Generative Art annual international conference. (since 1998)
- > Coordinator of "Euro-China Exchange: technology and Culture of Generative Approach", a program financed by European Commission. (2002-2005)
- > *Co-director of GASATHJ Journal at Domus Argenia, the Research Center on Generative Art, Sardinia. Italy*
- > *Scientific Director of Argenia Association.*

His offices are in Pigra (lake of Como), in Serramanna (Sardinia), in Rome.

- > Office at Domus Argenia, 00186 Rome, via del Governo Vecchio 91
- > Office at Generative Art and Design Lab, Argenia Association, 09038 Serramanna (Cagliari, Sardinia, Italy), via Eleonora d'Arborea 1-5, via Roma 101
- > Private office in Pigra (Como, Italy), Piazza Curt da Marc 6, 22020 Pigra

Email:

celestino.soddu@polimi.it - celestino.soddu@argenia.it - celestino@soddu.it

websites:

<https://www.soddu.it/> / <http://www.generativedesign.com> (the personal website) since 1998
<https://www.generativeart.com> (the site of the annual international conference Generative Art
<https://www.generativeworld.it> (with metaverse)
<http://www.generativism.com> (the wiki interactive site for students and researchers)
<https://www.gasathj.com> (Generative Art Science and Technology hard Journal)
<http://www.artscience-ebookshop.com> ebooks and proceedings for free reading and downloading

Mobile Italy (+39)335.6099787

Celestino Soddu was born the 2nd of April 1945, he lived in Cagliari, Milan and Rome and obtained his University Master Degree in Architecture at Rome University "La Sapienza" in 1970. In the same year he passed the State Examination for Professional Architects and Engineering Register.

He is registered architect since 1971. His activity is in the fields of architecture, town design, and architectural object design. The professional order of Architects in Rome published his architectural works in the book "50 years of profession".

He made architecture, industrial design and town design projects realized in Italy (1972-1984) and Somalia (in 1984-1989). In the subsequent years, he made visionary architecture projects for Chicago, New York, Washington DC, Los Angeles, Rome, Tel Aviv, Milan, Hong Kong, Shanghai, Beijing, Tianjin, Delhi, Lecco, Cagliari, Ravenna, Venice and Verona. He presented them in international solo exhibitions (Washington D.C., Los Angeles, Hong Kong, Milan, Rome) and in other international events.

Activities

He teaches in Italian Universities since 1971.

He was, from 1988, professor (Architecture Design studios) at Politecnico di Milano University, School of Architecture, School of Design and School of Engineering-Architecture. In 2014/2015 his teaching was "Generative Design" at the Master School of Design of Politecnico di Milano.

In 1992 he founded and, until 2019 he was the director of the Generative Design Lab at Politecnico di Milano University. The topic of this Lab is approaching the most advanced possibilities in design processes.

At present he is chair of Generative Art annual international conferences and the director of Generative Art and Science Lab of Argenia.

In 2002-2005, he had funds from European Community as coordinator for establishing mutual cultural and business relations between Europe and China and for enlarging the activity of his Generative Design Lab

with other Generative Design Labs in Europe (Kassel and Eindhoven) and in China (Shanghai and Tianjin). The exchange activities in China involves, until now, universities and research centres of Xi'an, Beijing, Tianjin, Shanghai, Changsha, Hong Kong and Macau.

Background and advanced research

Beginning from 1979, his research is about the ***dynamic evolution of the artificial systems complexity***, designing sequences of original software to emulate and control architectural, environmental and industrial design processes and to improve the manufacturing industrial processes.

The last versions of these original software programs are used for Design professional and research activities.

In 1984 and 1985 he made his first series of lectures in USA and Canada for presenting the possibility of computers in Architectural design (Waterloo University. Concordia University. in Montreal, Penn State University.) and, as an expert of the Italian Foreign Office, he worked in Somalia teaching and designing architectures.

In 1986, he designed the ***first original software to control the dynamic evolution of the genius loci of artificial environments and to create Generative Identity Codes for fitting cities Identities and environment harmony.***

Beginning from 1992 his research was about the design of species, the design of the morphogenetic codes of architecture and artificial industrial objects and about the management and the innovation of the manufacturing processes.

Every his architectural project, realized like AI generative software, can generate a sequence of different architectures/environments characterized by the same genius loci. With this tool, it is possible to evaluate the quality of the incoming architectural events during the increasing complexity of design processes. He used this generative software in designing the evolution of some town environments in front of the need to preserve the identity of particular genius loci.

He designed ***original software also in the field of representation***, (his patent of 360-degree anamorphic technical representation is used in advanced installations) and in the field of 3D creative interpretation of 2D artwork.

In Industrial design, his generative projects are useful devices to manage and control the quality and the complexity of the new industrial products. These projects are able to ***generate and endless sequence of different 3dmodels of industrial objects, all unique and unrepeatabe***, but all belonging to the same design concept and to the same functional requests. It is the industrial production of different and unrepeatabe objects enhancing the brand identity and recognizability. He experimented this design and industrial production approach at the School of Design at Hong Kong Polytechnic University, Industrial Centre, in 2001. At present his Argenia generative software is able to generate many different 3D models belonging to different Ideas structured as paradigms, from cars to chairs, from baroque cathedrals to UFO, from skyscrapers to lamps. In this years he was supervisor and axaminer of Master and PhD thesis in Milan, in Kassel, Germany and in Hong Kong PolyU.

Starting in 1995 he designed AI software for Art too. In 2013, following his past experience as a jazzman, he fixed his old AI generative project Musicablu, able to generate complete scores (midi) of music following peculiar characters. The generative engines generate in parallel the riff and the melody, the rhythm, the harmony the counterpoints and all the musical structure.

He has his Internet site beginning from 1995 (www.generativedesign.com and www.soddu.it) where it is possible to find his research and the works of his students. In this Internet site, it is possible to look at one thousand of homepages of students (Italian and foreign students of his workshops) and one hundred of theses for the final master degree in Politecnico di Milano University made with his supervision. Starting since 2008 he opened a wiki interactive website where students can exchange experiences and present their work.

Beginning in 1998 he is the Chair, with Enrica Colabella, and the organizer of the annual International Generative Art Conference (arrived to the 27th edition) hosted at Politecnico di Milano University (1998-2010) and at other cultural entities as CRUI (conference of rectors of Italian universities), Rome in 2011, San Michele, Lucca, in 2012 at Triennale in Milan in 2013, in Rome in 2014 at Angelica Library and in Venice in 2015 at the BLM foundation and at the Music Conservatory, in Florence, Ravenna Art Museum, Verona National Museum of Natural History and Rome Villa Giulia Museum, in Cagliari at the National Archaeological Museum, in Rome at Vallicelliana Library and in Venice at the UNESCO Office.

These with the participation of researchers from UK, Germany, Finland, US, Israel, Canada, France, Romania, Belgium, Sweden, Netherlands, Japan, Hong Kong, New Zealand, Australia, Spain, Sweden, Brazil, Peru', India, Indonesia, Slovenia, Malaysia, China, Taiwan, Latvia, Romania, Switzerland, Poland, Portugal, Lebanon, Korea, Thailand, Mexico and Italy. The GA conference has its website: <http://www.generativeart.com> with around 1300 papers for free reading.

Starting since 2021 he designed a metaverse for his virtual architectures and for the exhibitions of the Generative Art conference (www.generativeworld.it)

Some exhibitions, lectures and communication activities of the last years:

1991-2000

□ He presented his design research and projects in International Conferences and in workshops in Italy and also in other countries: Oxford, (UK) 1991, Lausanne (Swiss) 1991, Stockholm (Sweden) 1992, Montreal (Canada) 1992, Zurich (Swiss) 1993, Singapore 1993, Neuchatel (Swiss) 1993, Wien (Austria) 1993, Istanbul (Turkey) 1994, Freiburg (Germany) 1995, Sheffield (UK) 1995, Helsinki (Fin) 1997, Stockholm (Sweden) 1997, Lancaster (UK) 1998, Edinburgh (UK) 1999, Brussels (Belgium) 1999, Kassel (Germany) 2000, Weimar (Germany) 2000, Schwabish Gmuend (Germany) 2000, Las Vegas (US) 2000, Portland (US) 2000, Seattle (US) 2000.

2001

- Professorial Research Fellow at **Hong Kong** Polytechnic University. He improved his generative software to realize, as direct output, an endless sequence of unique and unrepeatable physical objects made by rapid prototyping devices.
- "Architectural Generative Design", lecture at the Chinese University of **Hong Kong**
- "From Forming to Transforming: the architecture design approach", lecture at School of Architecture of Tongji University, **Shanghai**, China
- "Generative Architectural Design and Advanced Technologies", lecture at China Building Technology Development Center, **Beijing**, China
- "Generative approach in Architecture and Industrial Design", lecture at Tsing Hua University, Department of Architecture, **Beijing**, China
- "Generative Design, Generative Games", talk at Sony SCEA R&D, **San Francisco**
- "Generative Art and Dynamic Systems", talk at Art & Science Lab, **Santa Fe**, US
- "Generative Art and Design", lecture at Virginia Tech, Virginia Polytechnic Institute & State University, **Blacksburg**, US
- "Generative Art", lecture at Art Institute of **Chicago**, US
- "Generative Art", Lecture at New York University, **New York**, US
- "Generative Art, from forming to transforming", lecture at Volen Center, Brandeis University, **Boston**, US
- "Generative Design approach", talk at CDI, Harvard University, **Boston**, US
- "Generative Design", lecture at **Kassel** University, Germany
- "Generative Design", lecture at Interactive Design Institute, **Ivrea**, Italy
- "Generative Design", lecture and exhibition at School of Design of **Shawbish Gmuend**, Germany
- "Generative Design", lecture at MOM, **Copenhagen**
- "Generative Art", lecture and exhibition at Massenzio Arte, **Roma**
- "Generative Natural Flux", opening lecture at Generative Art Conference, **Milano**

2002

- "Generative Art, Visionary variations", "Generative Architecture", "Generative Design and Intelligent Production", Lectures and exhibition at Lecture Theatre, Visual Art Centre, **Hong Kong** Museum.
- "Generative Architectural Design", lecture at School of Architecture of the Chinese University of **Hong Kong**.
- workshop with students of the Chinese University of **Hong Kong** at Visual Art Centre, HK.
- "Generative Architectural Design", lecture at the Faculty of Architecture, University of **Naples**
- "Generative Art and Architectural Design", lecture to the students and professors of LAIAD, Los Angeles Institute of Architecture and Design, at his exhibition at MF Gallery, **Los Angeles**.
- "Philosophy of Generative Design in Europe-China exchange" in the conference "Progetti di cooperazione scientifica e tecnologica tra Italia e Cina", **Milan** Polytechnic University.
- "Genesis of Unicum and New Naturality", invited lecture to the international conference: The genesis of forms in the sciences and the arts. **Urbino**, Italy
- "Generative Art, preludi, Natural Mirrors", Isea2002, **Nagoya**, Japan
- "Designing and managing the Urban Identity with Generative Approach in Architecture and Town Design", invited speaker in **Macau** Cultural Centre.
- "Clarity, Complexity, Harmony and Safety: Generative Identity's codes build livable cities", invited speaker at Cities Asia Summit 2002, **Singapore**
- "Ideal Cities", opening lecture at 5th Generative Art Conference, **Milano**
- "Generative Design", workshop at International Nonlinear Sciences Conference, **Vienna**

2003

- "Generative Art, visionary variations of Washington DC", lecture to present his personal exhibition at IDB Cultural Center, **Washington DC**
- "Generative Design", lecture at Alexandria Architecture Center, **Alexandria** Va.
- "Generative Design approach", lecture at Ball State Univ., **Muncie**, Indiana
- "Generative Design", lecture at School of Design, UCLA, **Los Angeles** Ca.

- “Morphogenetic Visionary Architecture”, personal exhibition and lecture at Pacific Design Center, **Los Angeles**.
- The Politecnico di Milano University, center of Cultural Activities and Scientific movies, realizes the movie “Talents of Politecnico di Milano: Celestino Soddu”
- He presents in Macau of the project of the Master IDEAS, Identity and Dynamic Evolutions of Artificial Systems.
- Coordinator of the Asialink workshop in **Shanghai**, Tongji University.
- lecture at Tongji University, **Shanghai**
- Coordinator of the Asialink workshop in **Tianjin** University, China
- Lecture at Tsing Hua University, **Beijing**
- Invited lecture at “Technology and Forms of Art and Science” conf., Univ. of **Salerno**.
- Lecture at University of **Trento** and High School Apeiron
- Lecture about Gen Architectural Projects at the University of **Tel Aviv**.
- Chair of the international annual conference GA2003 at Politecnico di **Milano** University.

2004

- “ Visionary Variations and Generative Approach”, Exhibition and Lecture at the Gallery of the 1st Faculty of Architecture of **Rome** University La Sapienza.
- Presentation of “Visionary Variations” at the workshop “Simulation, Cognition and VR: a new configuration in the study of complex artificial environments”, **Venezia**.
- lecture at **Xi’an** University, China. In the same occasion, he received the title of honorary professorship of Xi’an University of Architecture and Technology.
- Chair of the seminar “Identity&Design” at the Italian Embassy in **Beijing**. Personal exhibition of Architectural projects at the Italian Cultural Institute.
- Lecture at the School of Design of Hunan University, **Changsha**
- Lecture at Shanghai University, **Shanghai**.
- “Visionary Variations of Milan”, a personal exhibition at IFC International Finance center of **Hong Kong**.
- Chair of the seminar “De Identitate” at **CRUI in Rome**.
- Workshop on European and Chinese cultural identity in **Rome**, as coordinator of “EuroChina exchange”
- lecture “Arte Generativa e Variazioni Visionarie” for the “Notte Bianca di **Roma**”.
- **Wuxi**, talk about generative design at the Design Week.
- he gets the professorship at **Shanghai** University.
- lecture “Genetic algorithms in design” at the School of Engineering of the University of Campinas, **Sao Paulo**.
- lecture “Generative Creative Processes” at the auditorium of the Art Institute of Campinas, **Sao Paulo**.
- Key Speech “Argenia, Artificial DNA and Visionary Variations”, for SIGRADI, VII congresso igeroamericano de grafica digital, Unisissos, Sao Leopoldo, **Porto Alegre**.
- Chair of the VII Generative Art International Conference, GA 2004 in **Milano**.

2005

- His personal exhibition “Milan Visionary variations” start up at Commerce Chamber of **Milano**. The catalog is printed by Gangemi Publisher in Europe and US.
- invited speaker at “Mathematics, Art and Cultural Industries”, International conf. at Calabria University, **Cetraro**.
- Invited lecturer at the Technical University of **Eindhoven**, Faculty of Architecture.
- invited keynote speaker at “Art+Math=X”, University of Colorado, **Boulder**.
- invited speaker at “Precedents and Identity”, Technical University of Delft.
- Chair of the VIII Generative Art International Conference, GA 2005 in **Milano**.

2006

- He was invited to **Delhi** for presenting his Asialink program.
- Lecture at **Shanghai** University
- Chair of the IX Generative Art International Conference, GA 2006 in **Milano**.

2007

- invited as keynote speaker in **Daugavpils** University, Latvia
- invited speaker at **Shanghai** University
- invited speaker at **ChongQing** University.
- Chair of the X Generative Art International Conference, GA 2007 in **Milano**.

2008

- speaker at **Bratislava** University, Slovakia
- invited lecturer at **Bandung** by Indonesian Ministry
- invited speaker at **Lviv** Polytechnic, Ukraine
- “western” consulting in **Shanghai** for the China Pavillion exhibition at Expo2010.
- invited at HKPolyU, **Hong Kong**, for a 14 days workshop.
- Chair of the XI Generative Art International Conference, GA 2008 in **Milano**.

□ invited teaching professor for an HKPolyU students trip in **Yunnan – Tibet** with the topic of how to use own cultural heritage for improving design identity.

2009

□ Organizes the Generative Art Visionary Evening in **Lecco** at the public platform on the lake

□ Invited paper at proceedings of NP: **Daugavpils** University, Latvia

□ Chair of the XII Generative Art International Conference, GA 2009 in **Milano**.

□ **Exhibition of Visionary Architectural Projects at Domus Argenia Gallery, Serramanna, Cagliari 2010**

□ Organizes the Generative Art Visionary Evenings in **Lecco** at SalaDonTicozzi and in Garibaldi square

□ organizes the roundtable “Contrapunctus” at Nexus2010, **Porto**, Portugal

□ Chair of the XIII Generative Art International Conference, GA 2010 in **Milano**.

□ Presentation of “Visionary Cagliari” at **Cagliari** University.

2011

□ Invited speaker at 1st International Conference "Art, Science, and Technology: Interaction between Three Cultures", ORT Braude College, **Karmiel, Israel**, 2011

□ keynote speaker at 1st International conference of Sustainable Intelligent Manufacturing, **Leiria, Portugal**,

□ Solo Exhibition “D'apres Borromini” at Vaso Vanvitellianum, Biblioteca Angelica, **Roma** (December 2011)

□ Chair of the XIV Generative Art International Conference, GA 2011 in **Rome**, Conference of the rectors of Italian Universities, Frescos Hall.

2012

□ Director and founder, with E.Colabella, of GASATHJ, Generative Art Science and Technology hard Journal. The 1st issue published on May 2012 as e-book and as <http://www.gasathj.com>

□ Chair of the XV Generative Art International Conference, GA 2012 in **Lucca**, San Michele Foundation.

2013

□ Professor of Generative Design at the Master School of Design of Politecnico di Milano University.

□ Invited External Examiner of Ph.D. Thesis at **Hong Kong** Polytechnic University.

□ Solo exhibition in **Porlezza**, invited by the municipal management.

□ Invited speaker at S. Lukas School of Arts, **Brussels**

□ Chair of the XVI Generative Art International Conference, GA 2013 in **Milan**, Triennale di Milano, 2013

2014

□ Professor of Generative Design at the Master School of Design of Politecnico di Milano University. 2013/2014

□ Invited External Examiner of Ph.D. Thesis at **Hong Kong** Polytechnic University.

□ Invited speaker at "Uno (nessuno) centomila prototipi in movimento. Trasformazioni dinamiche del disegno e nuove tecnologie per il design", School of Design, **Milan**

□ Chair of the XVII Generative Art International Conference, GA 2014 in **Roma**, Adrian Temple and Angelica Library, 2014

□ Professor of Generative Design at the Master School of Design of Politecnico di Milano University. 2014/2015

2015

□ Invited Keynote Speaker at eCAADe, **Milan** May 2015.

□ Chair of the XVIII Generative Art International Conference, GA 2015 in **Venice**, Foundation Bevilacqua La masa, 2015

□ Professor of Generative Design at the Master School of Design of Politecnico di Milano University. 2015/2017

2016

□ Chair of the XIX Generative Art International Conference, GA 2016 in **Florence**, Foundation CRF, 2016

2017

□ Professor of Generative Design workshop in the University of Cagliari, 2017

□ Exhibition at Vitrina, Holon Institute of Technology, **Tel Aviv**, 2017

□ Chair of the XX Generative Art International Conference, GA 2017 in **Ravenna**, Museum of Art and Classense Library, 2017

□ Partner, as scientific director of Argenia Association, to @postasis, a European Commission program with Italy, **Greece, France, and Netherlands**. 2017-2019

2018

Exhibition in **Lima**, Artware Biennial of Digital Art, at the British Cultural Center, 2018

□ Chair of the XXI Generative Art International Conference, GA 2018 in **Verona**, Museum of Natural History,

2019

□ Organizes “Generative Art Futuring Past” at the “House of Literatures”, June 2019 in **Rome**, linked to the Rome Cultural Festival 2019. The proceedings are printed in the book “[Generative Art Futuring Past](#)” ISBN 9788896610374. His paper is “Baroque Algorithms, a vision toward the future”.

- Organizes, with ARGENTIA Association, the 4th Multiplier event of @postasis Erasmus* program in **Rome**, September 2019 at the 1st School of Architecture "Valle Giulia", The proceedings are in the book "[Digital Civilization, where trees move](#)", ISBN 9788896610381, His paper, in English and Italian, is "Generative Art. Generational Transmission and ephemeral Digital Ware"
- Chair of the XXII Generative Art International Conference, National Museum of Villa Giulia, **Rome**, December 2019. The proceedings are printed in the book "Generative Art 2019", Domus Argenia publisher, 2019.
- 2020-2024**
- Remote lecture at Núcleo Interdisciplinar de Comunicação Sonora, Brazil. Title: Creativity in Generative Approach to Art, Music and Design. July 15, 2020
- Chair of the XXIII Generative Art International Conference, December 2020, online conference based on Politecnico di Milano University. The proceedings are printed in the book "[Generative Art 2020](#)", Domus Argenia publisher, 2020.
- Chair of the XXIV Generative Art International Conference, National Archeological Museum, Cagliari, December 2021. The proceedings are printed in the book "[Generative Art 2021](#)", Domus Argenia publisher, 2021.
- Chair of the XXV Generative Art International Conference, Vallicelliana Library, Borromini Hall, **Rome**, December 2022. The proceedings are printed in the book "[Generative Art 2022](#)", Domus Argenia publisher, 2022.
- Chair of the XXVI Generative Art International Conference, Vallicelliana Library, Borromini Hall, **Rome**, December 2023. The proceedings are printed in the book "[Generative Art 2023](#)", Domus Argenia publisher, 2023.
- Remote lecture at University Paris 8, Igan program, title: "**Generative Art, a vision science from the past toward the future. From the Renaissance point of view to Author's Generative AI**", Paris 2024
- Chair of the XXVII Generative Art International Conference, UNESCO Office, **Venice**, December 2024. The proceedings are printed in the book "[Generative Art 2024](#)", Domus Argenia publisher, 2024.

Bibliography

- C.Soddu, "**L'artificiale progettato**", (the designed artificial ware) Casa del Libro Publisher, 1979. (book)
- C.Soddu, "**La patina del tempo**" (the time patina) in "Recuperare" magazine n.9 1984.
- C.Soddu, P.A.Rossi, "**Il calice di Paolo Uccello uno e senza limite**", (the goblet of Paolo Uccello, one and without limit) with a referee of C.L.Ragghianti, in "Critica d'arte" magazine n.8 1986.
- C.Soddu, "**L'immagine non euclidea**" (the not Euclidean image), Gangemi publisher, 1987. (book)
- C.Soddu, "**L'idea di spazio nelle rappresentazioni d'arte**", (the space idea in art representation), in "Critica d'arte" magazine, n.16, gennaio/marzo 1988.
- AA.VV. "**L'arte contemporanea nella scuola**" (the contemporary art in the school), Quaderni di Villa Falconieri, CEDE 1988. (Book in Italian and English)
- C.Soddu, "**Simulazioni per immagini tridimensionali computerizzate della dinamica di evoluzione formale dell'ambiente urbano**", (3D simulation of dynamic evolution of urban shape), proceedings of the conference "l'immagine nel rilievo, Sezione L'immagine Computerizzata", Roma 1989
- C.Soddu, "**Rappresentazione e rilievo per immagini tridimensionali computerizzate della morfogenesi storica urbana**" (computer 3D representation of the morphogenesis of historical urban evolution), in the proceedings of "il Rilievo Tra Scienza e Storia" Perugia 1989, then published in the magazine XYZ 1991. C.Soddu, "**Identita' come specie: la morfogenesi dell'immagine urbana con sequenze di modelli 3D di citta' aleatorie**", (Identity as species: the morphogenetic evolution of urban image using 3D models of random cities), in the proceedings of "Identita', Differenza, Fraintendimento" Palermo 1989.
- C.Soddu, "**Nuovi metodi di rappresentazione della configurazione urbana: la specie**", in the proceedings of the conference "La rivalutazione dell'immagine storica della citta'", Acireale 1989, then published in the book "La Configurazione dell'Immagine Urbana", Gangemi publisher 1991.
- C.Soddu, "**Citta' Aleatorie**", (unpredicable cities), Masson Publisher. 1989 (book in Italian)
- C.Soddu, "**Citta' Aleatorie: strumenti di rappresentazione della dinamiche dell'immagine urbana**", (random cities, the representation tool of town shape dynamics), in the magazine "Territorio" n.3 1989
- C.Soddu, "**Citta' Aleatorie**", in "Computer and Art", Exhibition 1990, Lugano, Dalle Molle Foundation for the quality of life, George Mason University.
- C.Soddu, "**Il progetto di specie. Strumenti propositivi e di controllo delle potenzialita' dell'acciaio**"

nell'architettura e nel design", (the design of species. The creative tool to increase the possibility of using steel in architecture and industrial design), in the magazine "Acciao", April 1990.

C.Soddu, "***Progetto di specie***", (design of species) in the magazine "Sinopie" n.4 1991.

C.Soddu, "**Simulation tools for the dynamic evolution of town shape**", in "Global change and local problems book", Oxford Polytechnic 1991.

C.Soddu, "La ***simulazione della dinamica evolutiva della forma, dagli scenari metropolitani al design morfogenetico***", (The simulation of the evolutionary Dynamic shape. From urban scenarios to the morpho-genetic industrial design), in the proceedings of "La citta' interattiva", Milano, June 1991

C.Soddu, "**Simulation tools for the learning approach to the dynamic evolution of town shape. architecture. and industrial design**", in the proceedings: "computer aided learning and instruction in science and engineering", published by Press Polytechniques et Universitaires Romandes. Lausanne 1991. C.Soddu,

E.Colabella, "**Il progetto ambientale di morfogenesi**", (the environmental design of morphogene-

sis), Progetto Leonardo Publisher 1992 (book)

C.Soddu, E.Colabella, "**Spatial and image dynamical models for controlling and planning the development of differences in an increasingly international and interdependent world**", in the proceedings of the conference "Planning in a time of Change", Stockholm 1992

C.Soddu, E.Colabella, "**The project of morphogenesis to design the DNA or architecture**", in "CIB'92, World Building Congress", Montreal 1992.

C.Soddu, "**Il progetto ambientale attraverso i codici morfogenetici del naturale artificiale**", (the environmental design using morphogenetic codes of natural/artificial systems), in the book "Poiesis, l'informatica nel progetto euristico", Citta' Studi Publisher, Milano 1993.

C.Soddu, lecture and art installation at the Gestaltung Museum of Zurich, "**Morphogenetisches Design: Architekturen**" in "New Realities - Neue Wirklichkeiten II ArchitekturAnimationenInstallationen" 27 Jan/4 Apr 1993, Museum fur Gestaltung Zurich.

C.Soddu, E.Colabella, "**The morphogenetic design as an artificial intelligence system to support the management of design procedures through the total quality of the built environment**", in "The management of Information Technology for Construction. First International Conference" Singapore 1993. C.Soddu, "**The design of morphogenesis to design the genetic code of the artificial environment**", in 33rd European Congress of Regional Science Association, Moscow, August 1993.

C.Soddu, "**Human-machine interaction in design processes. New search software to generate the simulation of the increasing complexity of an idea about architecture, environment, and industrial design**". In "Computer Science, Communications and Society" Neuchatel, 1993.

C.Soddu, "**Progetto di morfogenesi per un'architettura dei componenti. I pannelli metallici di copertura di parete**", (The morphogenetic architectural design using components), in the proceedings of the congress AIPPEG at SAIE, 1993, Bologna, published in the magazine Rassegna AIPPEG n.1 1994. C.Soddu, E.Colabella, "**Experimental CBL original software to teach project approach and designing procedures in architecture and industrial design**", in the proceedings of the International Conference of Computer Based Learning in Science", Wien 18/21 September 1993.

C.Soddu, "**Il progetto di morfogenesi / Design of morphogenesis**", in the magazine Demetra, n.5 December 1993. (In Italian and English)

C.Soddu, E.Colabella, "**La progettazione morfogenetica dell'ambiente urbano**", (Morphogenetic environmental design) in "Ridisegna la Citta'" catalog of the exhibition Casaidea 1994, Roma 1994.

C.Soddu, "**Intelligenza Artificiale e progetto di architettura. Dai vecchi CAD a nuovi strumenti che incrementano la creativita' progettuale come pensiero del possibile**", (AI and architectural design. From old CAD to new tools that increase the creativity as thought of possible), magazine Archimedia n.4 1994

C.Soddu, E.Colabella, "**Tre tesi di disegno industriale**", (3 student's master thesis of Industrial Design), in the magazine Area, September 1994

C.Soddu, E.Colabella, "**The project of morphogenesis. A way to design the evolution code of the environment**", AESOP congress, Istanbul 1994.

C.Soddu, E.Colabella, "**Artificial Intelligence in the teaching of architectural design**", in the proceedings of Hypermedia in Sheffield, Sheffield 1995

C.Soddu, E.Colabella, "**Recreating the city's identity with a morphogenetical urban design**", on Making the Cities Livable, Freiburg 1995.

C.Soddu, E.Colabella, "**Artificial Intelligence and Architectural design**", CAAD Futures '95, Singapore 1995.

C.Soddu, "**Lavoro e Internet**", (Job and Internet), lecture at the Rotary Club Milano Porta Vercellina, 3.2.1997, Rotary magazine.

C.Soddu, E.Colabella, "**Argenic design**", in "Contextual Design – Design in Contexts", The European Academy of Design, Stockholm 13-15.4.1997

C.Soddu, "**Argenia, il progetto genetico dell'auto naturale**" in the proceedings of the congress "Mobilita' ed evoluzione dell'ambiente del XXI secolo, Motor Show Bologna 1997. Published in the book "Mobilita' del XXI secolo", Promotor publisher, Bologna 1997

C.Soddu, E.Colabella, "**A Natural Approach to Industrial Design: Argenic Design**", in New Simplicity?, Helsinki Aug 1997.

C.Soddu, E.Colabella, "**Pantheon**", CDRom Multimedia for Poligrafico dello Stato publisher 1996.

C.Soddu, E.Colabella, "**I percorsi della mente**", CDRom Multimedia for Alea Design 1996.

C.Soddu, "**Internet**", in the magazine AIPAI, 1997

C.Soddu, Gege' Telesforo, "**100&percent; pure live funk and generative art**", TV movie, STREAM, Italian network, 1996.

C.Soddu, lecture at the Rotary Club Milano Europa about: "**Arte Generativa, nuovi prodotti per l'uomo**", (generative art, new products for the human beings), Circolo della Stampa di Milano, 19 Marzo 1998, published in Rotary magazine.

C.Soddu, lecture at the Demo Center, Modena, on "**Argenia, la progettazione generativa per i prodotti naturale dell'uomo**" (Argenia, the generative design for the incoming natural ware), 23 Aprile 1998

C.Soddu, lecture at the Accademia di Belle Arti di Brera in Milano on "**Generative Art and the advanced experimental realization**", 1998

C.Soddu, "**Argenia, the natural approach to Architecture and Industrial Design**" in the proceedings of Mechatronic workshop at the Univ. of Lancaster, 1998.

C.Soddu, Lecture at the conference "I luoghi di Leopardi" (the sites of Leopardi), Politecnico di Milano on the topic: "**La doppia visione e la scoperta progettuale**" (the twin vision and the design development), 9th June 1998.

C.Soddu, Lecture at the International Convention on Mediterranean Design, Reggio Calabria 19 June 1998, about "**Argenia, a new approach to identity and recognizability of industrial designer**".

C.Soddu, Workshop among the Generative Design Lab, directed by C.Soddu and the Bristol Lab of HP.

C.Soddu, E.Colabella, Cdrom "**Leopardi a Recanati**", AleaDesign publisher and the Leopardi Family.

C.Soddu, installation "**La citta' naturale**" (the natural city) at the exhibition HighLife at Smau 1998, with the show, in real time, of cities and argenic architecture. The exhibition has used the 360-degree anamorphic representation that is a patent by C.Soddu.

C.Soddu, "**Argenia, a natural generative design**", 1st Generative Art conference, Milan 1998

C.Soddu, "**Argenia, una citta' naturale**", (Argenia, a natural city) at the conference Piazze Telematiche, with the real time link, in video conference, with Milano, Roma, S.Marino, Frankfurt. The proceedings are published in the book "Piazze telematiche"

C.Soddu, "**Recognizability of the Idea: The evolution process of Argenia**", in the proceedings of AISB99 Edinburgh 6-9 April 1999.

C.Soddu, "**Argenia, the generative process**", Workshop Morphogenetic Design, Institute for higher education in the sciences and in the Art. Institute for Architecture Sint-Lucas, Brussels, 10 Aprile 1999.

C.Soddu, "**Argenia: codici dell'identita' artificiale**", Digitalcity - International Biennale Cybercultura, Parma 25-27 March 1999.

C.Soddu, "**Argenia: arte generativa**" in Polittico: new ways for the Art, SpazioTiempoNord, Milano June 1999.

C.Soddu, "**GENERATIVE ART**", proceedings of GA'98, 1st generative Art conference, Editrice Dedalo Publisher, Rome 1999

C.Soddu, "**Recognizability of designer imprinting in Generative artwork**". Proceedings of Generative Art Conference GA'99, Milan December 1999.

C. Soddu, "**New naturality: a Generative Approach to Art and Design**" in Artificial Life 7 workshop proceedings, Carlo C. Maley and Etlis Boudreau Editors, Portland, Ontario – Leonardo, MIT press, USA, 2000

C. Soddu, "**Argenia. Art's Idea as Generative Code**", in 2000 Genetic and Evolutionary Computation Conference proceedings, Annie S. Wu, University of Central Florida Editor, Las Vegas, Nevada, 2000

C. Soddu, "**Basilica, an Architectural Generative Virtual Office based on Italian Renaissance Code's interpretation**", in Mosaic 2000 proceedings, University of Washington Editor, Seattle, 2000

C. Soddu, "**From Forming to Transforming**", proceedings of Generative Art Conference, Milan, Alea Design Publisher, December 2000

C. Soddu, "**Argenia, naturality in Industrial Design**", in proceedings of 3rd International Conference on Computer-Aided Industrial Design and Conceptual Design, CAID&CD'2000, International Academic Publisher, World Publisher Corporation, December 2000

C.Soddu, "**Recognisability of the idea: the evolutionary process of Argenia**" in P.Bentley & D. Corne (edited by), "Creative Evolutionary Systems", Morgan Kaufmann Publisher, San Francisco US, 2001

Duncan Graham-Rowe, "**Design Genes**", Blueprint Magazine, August 2001

C. Soddu, "**Generative Natural Flux**", proceedings of Generative Art Conference, Milan, AleaDesign Publisher, December 2001

C.Soddu, "**Generative Art, Visionary Variations**", Catalog of the exhibition at Visual Art Centre, Hong Kong Museum, 2002

C.Soddu, "**New Naturality: a Generative approach to Art and Design**", Leonardo Magazine 35, MIT press, July 2002

C.Soddu, E.Colabella, "**Generative Art, Preludi natural mirrors**", ISEA2002, Nagoya, Japan, published by Inter Society for the Electronic Arts, Japan.

C.Soddu, "**Clarity, complexity harmony, and safety: Identity's Generative codes build liveable cities**", Cities Asia Summit, Singapore 2002, PSA Pub.

C.Soddu, "**La Citta' Ideale, generative codes design identity**", Proceedings of GA2002, GDL Pub., December 2002, Milano

C.Soddu, "**Generative Art, visionary variations of Washington DC**", catalog of the exhibition DigItalyArt, IDB Cultural Center, Washington DC, 2003.

C.Soddu, "**Visionary Aesthetics and Architecture Variations**", in Proceedings of GA2003, AleaDesign Pub., Milano.

C.Soddu, E.Colabella "**Argenia, a mother tongue in infinite variations**", Proceedings of the First International Conference on Design Computing and Cognition, Workshop 3 "Implementation Issues in Generative Design Systems", MIT Boston, July 2004

C.Soddu, "**Visionary Variations of Milano. Generative projects designing the Identity of Milano**", proceedings of De Identitate, GDLab Milano 2004

C.Soddu, "**Visionary Variations of Milano. Generative Projects Designing the Identity of Milano**", an exhibition at IFC mall in Hong Kong, June 2004.

C.Soddu (editor), "**De Identitate**" proceedings of the conference "De Identitate", CRUI, Rome, 26-27 July 2004

C.Soddu, "**Generative Design / Visionary Variations - Morphogenetic processes for Complex Future Identities**" in the book Organic Aesthetics and generative methods in Architectural design" edited by P. Van Looke & Y. Joye in Communication&Cognition, Vol 36, Number 3/4, Ghent, Belgium 2004

C.Soddu, "**Meta-Code, Identity's Borders**" in "Generative Art 2004", proceedings of the International Conference GA2004, Aleadesign Editor, 2004

C.Soddu (interview to), "**From gene to design: prof. Soddu and his Generative Design**", page. 6-13, Magazine "Designer" n. 1, 2004, Changsha, China. <http://renwu.chda.net/show.aspx?id=106&cid=13>

C.Soddu, "**Argenia, Artificial DNA and Visionary variations**", in "O sentido e o universo digital", proceedings of SIGRADI, the VII congreso igeramericano de grafica digital, Unisisod Nov. 2004

C.Soddu, "变化多端的建筑生成变变法" (Generative Design), article in the magazine "Architect", December 2004, China

C.Soddu, "**Milan, Visionary Variations**", Gangemi publisher, Rome 2005 (book)

S.Brusa, "**Visioni Generative per il Futuro**", interview to C.Soddu, Digimag magazine, Milan June 2005.

C.Soddu, "**Generative Art in Visionary Variations**", in *Art+Math=X proceedings, University of Colorado Boulder, 2005.*

C.Soddu, "**Visionary Variations in Generative Architectural Design**", article in Chepos magazine n.003, TU/e, Eindhoven 2005.

C.Soddu, E.Colabella, "**A Univesal Mother Tongue**", Leonardo Electronic Almanac Volume 13, Number 8, August 2005

C.Soddu, "**Argenia, Artificial DNA and Visionary variations**", The Journal of designing in China, summer 2005, Hong Kong

C.Soddu, "**Argenia in timeless gen-codes**", proceedings of ARTMEDIA IX, dept. Philosophy, University of Salerno, 2005

C.Soddu, "**Gencities and Visionary Worlds**", proceedings of 8th Generative Art Conference, Politecnico di Milano University, Milan, 2005.

C.Soddu. "**Generative design. a swimmer in a natural sea frame**", proceedings of the 9th Generative Art conference, Milan, 2006.

C.Soddu, E.Colabella, "**Argenia**" PNCM conference proceedings, Daugavpils University, Latvia, 2007

C.Soddu, "**Endless interpretations. infinite in the mirror**" in the GA2007 proceedings, Milan, 2007. C.Soddu, E.Colabella, "**Lumen in Splendore**", proceedings of ApliMat, University of Bratislava, 2008.

C.Soddu, "Alive Codeness", GA2008 proceedings, page 176-187, ISBN 978-88-96610-01-5, Domus Argenia Publ., Milano, 2008

C.Soddu, "From Design to MetaDesign", PCNM conference proceedings, Daugavpils University publisher, Latvia 2009

C.Soddu, "20 Years Argenia Evolution", GA2009 proceedings, page. 86-104, ISBN 978-88-96610-00-8, Domus Argenia Publ., Milano, 2009

C.Soddu, "Argenia, Generative **Architectural design**", Chapter in the book: "Computer-integrated architecture and construction", Edited by P.J. Bártolo, N.M. Alves and H.M. Bártolo, Nova Science Publisher, 2011

C.Soddu, chair of round table "**Generative Architecture Codeness. Contrapunctus**" at Nexus 2010 conference, Porto, 2010 (book planned with Springer Publ. In 2011)

C.Soddu, "[Perspective, a Visionary Process: The Main Generative Road for Crossing Dimensions](#)" in Nexus Network Journal: Volume 12, Issue 1, Page 33-46, DOI 10.1007/s00004-010-0016-6, Springer Publisher, New York, 2010

C.Soddu, "[Curved spacetime perspective as generative engine. Intersubjectivity & Contrapunctus](#)", The GA2010 proceedings edited by C.Soddu, page 114-127, Domus Argenia publisher, 2010, ISBN 978-88-96610-06-0

C.Soddu, "**Immanent Codes of Cities Identity**", paper as invited speaker at the 1st International Conference "Art, Science and Technology: Interaction between Three Cultures", ORT Braude College, Karmiel, Israel, 2011

C.Soddu, E. Colabella, "**Natural Codeness for Artificial Uniqueness**". proceedings of the 1st International conference of Sustainable Intelligent Manufacturing, Leiria, Portugal, 2011

C.Soddu, "[Baroc Generative Algorithms](#)", proceedings of XIV Generative Art Conference, GA2011, Domus Argenia Pub. 2011, ISBN 978-88-9610-145

C.Soddu, "[Generative Design](#)", article in GASATHJ, Generative Art Science and Technology hard Journal, issue #1, 2012

C.Soddu, "[Logics of Imagination. Generative Art performs the Artist Style as Executable Process](#)", proceedings of XV Generative Art Conference, GA2012, Domus Argenia Pub. 2012, ISBN 978-88-96610-18-3

C.Soddu, "[MUSICABLU: Generative Music Design software for increasing human creativity and generating unique and not repeatable musical scores](#)" proceedings of XVI Generative Art Conference, GA2013, Domus Argenia Pub. 2013.

C.Soddu, "[Generative Art Geometry. Logical interpretations for Generative Algorithms](#)" proceedings of XVII Generative Art Conference, GA2014, Domus Argenia Pub. 2014.

C.Soddu, "**Generative Design, la rappresentazione delle variazioni infinite**", first chapter of the book "Uno (nessuno) centomila prototipi in movimento. Trasformazioni dinamiche del disegno e nuove tecnologie per il design", edited by M.Rossi and A.Casale, publisher Maggioli Editore (collana Politecnica), 2014

C.Soddu, "[Generative Design: Art and Science. Dynamic Logics. Geometries. and Algorithms](#)", keynote speaker at ECAADE, Milan workshop 2015

C.Soddu, "[Generative Design: Futuring Past](#)", proceedings of XVIII Generative Art conference, GA2015, Domus Argenia Pub.

C.Soddu, "[The discovering of Persistent Deep Memory in Generative Design](#)", proceedings of XIX Generative Art conference, GA2016, Domus Argenia Pub.

C.Soddu, "[Designing Generative Art. Mosaic concept. Creativity. and Idea in Generative Design](#)", proceedings of XX Generative Art conference, GA2017, Domus Argenia Pub.

C.Soddu, in the book Artware7, Lima - digital media and cultural identity the chapter "Peruvian Baroque Identity Codes, Artificial DNA by Generative AI for Cultural Identity", Lima 2018

C.Soddu, "[AI Organic Complexity in Generative Art](#)", in the proceedings of XXI Generative Art conference, GA2018, Domus Argenia Pub.

C.Soddu, "Baroque Algorithms, a vision toward the future". In the book "[Generative Art. Futuring Past](#)", Rome, June 2019 ISBN 9788896610374.

C.Soddu, "Generative Art. Generational Transmission and Ephemeral Digital Ware", in the book "[Digital Civilization. where trees move](#)", ISBN 9788896610381, Rome, September 2019

C.Soddu, "[Subjectivity in Machine. The future of Generative Art](#)" in the proceedings book of XXII Generative Art conference, GA2019, Domus Argenia Pub.

C.Soddu, "[GENERATIVE DESIGN, a possibility to teach design by improving students' creativity and their subjective vision](#)" in the proceedings book of XXIII Generative Art conference, GA2020, Domus Argenia Pub.

C.Soddu, "[Argenia. Life on Mars, interpreting three thousand years of history](#)" in the proceedings book of XXIV Generative Art conference, GA2021, Domus Argenia Pub.

C.Soddu, "[Generative Art & Design. Visionary Algorithms for a Natural Complexity](#)" in the proceedings book of XXV Generative Art conference, GA2022, Domus Argenia Pub.

C.Soddu, "[Generative Art, the Author s AI. Complexity, Naturalness and Recognizable Creativity](#)" in the proceedings book of XXVI Generative Art conference, GA2023, Domus Argenia Pub

C.Soddu, "[Argenia: An Operational Step Towards The Dynamic Definition Of Urban And Architectural Identities As Heritage To Be Safeguarded](#)" in the proceedings book of XXVII Generative Art conference, GA2024, Domus Argenia Pub

C.Soddu, "**Generative Art, a vision science from the past toward the future. From the Renaissance point of view to Author's Generative AI**" IAGAN book, Paris 8 university.

Books and Proceeding for free reading and downloading at www.artscience-ebookshop.com