INDICE

GRAPHICS

10901  ENRICO CICALÒ
Exploring Graphic Sciences

10913  FABIO LANFRANCHI, GIORGIO TESTA
Drawing and memory

10936  LAURA S. AGRATI
Integration of graphic supports. A case-study on parabolic motion for students with learning difficulties

10951  LUCA ROSSATO
The power of learning by graphic representation. The documentation of Indian historic centers

10977  CAMILLA CASONATO
Telling stories through space. Landscapes, maps and architecture in Peter Sís' picture books

10995  FRANCA ZUCCOLI, ELISABETTA BIFFI, CHIARA CARLA MONTÀ, LUCIA CARRIERA, SARA SOMMARUGA
Inside Outside children's perspective in ECECC.

10999  MARTINO PAVIGNANO, URSULA ZICH, CATERINA CUMINO, MARIA L. SPREAFICO, ORNELLA BUCOLO, DANIELA MIRON
Direct and indirect geometry of architectural paper model. Images for imagination.
FRANCA ZUCOLI, ALESSANDRA DE NICOLA, VALERIA PECORELLI, LUCIA CARRIERA, AGNESE COSTA
Rethinking local heritage through graphics in Mantua and Sabbioneta. Images, maps, fanzines for narrating a Unesco site with students during school-work internship.

ALESSANDRA DE NICOLA, FRANCA ZUCOLI
Rethinking spaces with students: Graphics: the use of drawing to redesign a square in Bicocca.

PAOLA RAFFA
Pop up books. Three-dimensional books

CHIARA PANCIROLI, LAURA CORAZZA, ANITA MACAUDA
Visual-Graphic learning

ANTONELLA POCE, MARIA ROSARIA RE
Developing users' soft skills in higher education through university painting collection. The Tito Rossini project

ENRICO ANGELO EMILI
Reading specific learning difficulties [SpLDs] with Piperita Patty

ANTONELLA BRIGHI, ILARIA FABI
Drawings say more than words. Bullying representation in children’s drawing in Italy and in Argentina

MARIANGELA GIUSTI
Teachings of social life and moral examples transmitted with painted images. Patachiras, murales, carretti siciliani

BELÉN BUTAGUENCO DÍAZ-GUERRA, JAVIER FCO. RAPOSO GRAU, MARIAJUN SALGADO DE LA ROSA
Graphic collision of macro-micro landscape. Graphic analogy as a thinking tool

NATASHA TÜMPFEL
Body of printing: The purpose of books

EMANUELA MANCINO
The art of the "leporello", Re-inventing an autobiographical writing practice.

BARBARA ANSALDI
Touching and "feeling" art. Multisensory communication of perspective-based paintings for inclusion

GRAPHIC LANGUAGES, WRITINGS AND LETTERING
LINGUISTICA GRAMMATICA, SCrittURE E LETTERING
PAPERS
ARTICOLI
STUART MEDLEY
The ‘graphic’ in ‘typographic’: picture theory applied to type through caricature

FRANCO CERVELLINI
Create-actions of the morphographic line

MARIA MARTONE, ALESSANDRA M. GIULIANIO, SALVATORE GAETA
From the talking initials of Luigi Vanvitelli to the graphics of the alphabet for language teaching of XX and XXI century

ILARIA TRIZIO
Cities and Comics. Berlin in the Albert Madrigal’s Graphic Novels

ENRICA BISTAGNINO, MARIA LINDA FALCIDIENO
From sound to sign. Graphic experimentation for the visual transcription of sound expression

OSAMA MANSOUR, ROSSANA NETTI
The Arabic calligraphy. An identifying parameter in space, time and contents

STEFANO BRUSAPORCI, FRANCESCO MAGGIO
Alphabet as a pretext. Representation and architecture starting from J.D. Steingruber

MARIA G. CIANCI, DANIELE CALISI, SARA COLACECI, MATTEO MOLINARI
Imagination and representation. Metaphor of designing thought
ANNARO MAROTTA
The encrypted communication in Napoleon's telegraph. Chappe's vocabulary from morphemes to graphemes
Locazione, sito, cartografia. Il mondo di Napoleone. Il codice di Chappe già in lettere grafiche

FRANCESCA FATTAG
Lettering and expressiveness. When characters tell a story
Lettere e espressività. Quando i caratteri raccontano una storia

MARIA LINDA FALCIDIENO
Music/graphics/ornament
Musica/grafica/ornamento

ALESSANDRO LUIGINI
Graphemes and standard type. An evolutionary study model for the design
Graphemes and standard type. A study model for the design

IMAGES
IMMAGINI

SILVIA BALZAN
Drawing through words. Reading through Images
Disegno attraverso le parole. La lettura attraverso l'immagine

MONICA GÓMEZ ZEPEDA, JUAN CARLOS ORTIZ TABAREZ
Imagine through the drawing of Jorge Tamés y Batta. Creative applications from your imagination drawings
Immagini attraverso il disegno di Jorge Tamés y Batta. Applicazioni creative dalle tue immagini

LAURA FARRONI, GIULIA TAREI
Visual assonances. The mining landscape
Assonanze visive. Le miniere del paesaggio

MICHELA DE DOMENICO
Bridge. Architettura della narrazione
Ponte. Architettura della narrazione

GRAPHIC COMMUNICATION AND DIGITAL MEDIA
COMMUNICAZIONE GRAFICA E MEDIA DIGITALI

PAPERS
ARTICOLI

TOMMASO EMPLER
Linear representation. Contemporary Use
Rappresentazione lineare. Uso contemporaneo

GIANNI TAMBURINI, JONATHAN PIERINI
Doing, having done, doing less, doing nothing. Otiunm and negativum in graphic design and art
Fare, aver fatto, fare meno, fare nulla. Oto, negativum in design grafico e arte

MARCELLO SCALZO, BENEDETTA TERENZI
Communication, strategies and images. The case of Federico Sozzi as a Perugino
La comunicazione, le strategie e le immagini. Il caso di Federico Sozzi come un Perugino

MARCO SIRONI, ROBERTA SIRONI
Imagining color. Marks as chromatic figures of thoughts
Immagina le colori. I segni come figures di pensiero

PAOLO BELARDI, MOIRA BARTOLONI, PAUL H. ROBB
Academy rebranding.
From coat of arms to logotype, from "disegno" to design
Riproposta della scuola. Dal blason al logotipo, dalla grafica al design

VALERIA MENCHETELLI
Micro-graphics. Icons in visual communication: between symbolic value and interaction design
Micro-geometrica. I sociomarker nella comunicazione visiva tra valore simbolico e design dell'interazione

CRISTINA CANDITO
Representation in the time of video clip
Rappresentazione in un'era del video clip

NICOLÒ CECCARELLI
Images of identity. Exploring local identity through visual design
Immagini dell'identità. L'esplorazione dell'identità locale attraverso la grafica

ORNELLA ZERLENGA, ANTONELLA ROSMINO
Futurism and motion between image and imagination
Grafica e movimento. Grafica sui movimento. Futurismo e movimento tra immagine e immaginazione

VINCENTO CIRILLO, VALEHIA MAZZUCCHELLA
Graphics in process.
Fortunato Depero's experience in commercial advertising.
Grafica in movimento. L'esperienza di Fortunato Depero nella pubblicità commerciale

MARTINA CAPURRO
Instantaneity, brevity, involvement.
Title design as cinematographic communication
Immediato, brevità, coinvolgimento. Grafica titoli come comunicazione cinematografica

STARLIGHT VATTANO
Persuasive-graphic propaganda. Signs, shapes, glances
Propaganda visiva persuasiva. Segni, forme, sguardi

GIACOMO FESTI
Layer-graphics. The relationships between photography and graphics in print advertising
Grafica strati. Le relazioni tra fotografia e grafica nella pubblicità stampa
ANDREA OLDANI
Seeing through cross-sections. Implementations of an age-old graphical form on landscape description
152

MARIA I. PASCAVIELLO
Looking for the more favourable similarity between graphic images
178

CATERINA PALESTINI
Ephemeral graphics. Illusionism and representation in baroque machines
178

 STEFANO BERTOCCI, SILVIA LA PLACA, MARCO RICCIARINI
Architectural language, between narration and architectural representation
180

SANTI CENTINEO
Extemporaneous handwriting. Writing with light in Carlo Scarpa’s Brion Grave
182

LUIGI CORNELLO, ENRICO MIRRA, ADRIANA TREMATERRA, LORENZO GIORDANO
Modes, techniques, sciences and arts of representation drawn through images
184

MARCO FASOLO, FLAVIA CAMAGNI
Imagination and image in Renaissance wooden inlays
188

GIOVANNA RAMACCINI
Nomadic sign. The “decorated shelter” in Norcia
198

SIMONA TALENTI
The design drawing. Between vagueness and “danger”, from Mansart to Domus
201

CARLO BIANCHINI
Anatomographies. the parallel lives of medical and architectural disciplines
202

FABRIZIO GAY, IRENE CAZZARO
Topography and topology of the interior. Lissitzky vs. Florensij
204

IRENE CAZZARO
The drawing and the artefact. Biomorphism in the design of Murano glass objects in the 20th century
205

GIUSEPPE MARIA ANTONIO ROMEO, BARBARA CANTALINI
199
GIUSEPPA NOVELLO, MAURIZIO M. BOCCONCINO
From graphics for calculations to drawings for works.
Exercises of students engineers of the Regia Scuola di Applicazione di Torino
at the end of the nineteenth century

LAURA CALPEVARIS, JESSICA ROMOR, GRAZIANO M. VALENTI
Perception and communication of urban space.
Observations on fourteenth and fifteenth-century representations of Rome
Preservation of architectural heritage: a new approach to perception

ALBERTO SODEGNO
Andrea Palladio Graphic Designer
Sudda Palladio Editor

ANTONIO MOLLICONE
Scientific illustration
Il Sistina che non esiste

TOMÁS DÍAZ-ZAMUDIO
The architectural landmarks that still exist of the urban periphery of Seville
of the 19th century on the urban map by Galino Parra (1839)

FRANCESCA MARIA A. PISILLI
(De)construction

ELENA IPPOLITI, GIULIA SANTUCCI, MARCO DE FRANCESCA
Between history and stories. The Narrative Panorama for Rome’s University City

DIGITAL MODELLING, VIRTUAL AND AUGMENTED REALITY, GAMING
MODELLAZIONE DIGITALE, REALTA' VIRTUALE E AUGMENTATA, GAMING

PAPERS
ARTICOLI

CHIARA SARACINI, MARTA OLIVETTI BELARDINELLI, ANDREAS HOEPFNER, DEMIS BASSO
Differences in distance estimations in real and virtual 3D environments

STEFANO BRUSAPORCI, PAMELA MAIEZZA, ALESSANDRA TATA
Advanced heritage. From the virtual copy to a virtuous image of reality

CHIARA SARACINI, DEMIS BASSO, MARTA OLIVETTI BELARDINELLI
Stereo-scopy does not improve metric distance estimations in virtual environments

ALESSANDRO BASSO
New interpretation tools and metamorphosis of the image.
How the self-synthesizing of visual elements influences the aesthetic evolution

MICHELE CALVANO, MICHELA CIRELLI, MASSIMILIANO LO TURCO
Display the invisible. Automated algorithms to visualize complex phenomena

LAURA CARNEVALLI, MARCO CARPIECI, SOFIA MENCONE, MICHELE RUSSO
Spherical drawings for understanding urban spaces

BARBARA ANSALDI
Concept art for the entertainment industry.
Graphics for the evocation of imaginary spaces

MARCO VEDDA
Redrawing the nineteenth-century panorama of Milan

RAMONA FERIOZZI, ALESSANDRA MESCHINI
Grammar of visual communication in video games.
Analysis and comparison of languages between the present and past

GIUSEPPE D’ACUNTO, FRANCESCO BERGAMO, ALESSIO BORTOT, ISABELLA FRISO
Data representation, digital stereotopy and virtual museums

MAURIZIO PERTICARINI, CHIARA CALLEGARO, FILIPPO CARRARO
ALESSANDRO MAZZARIEL
Two methods of optimization for an AR project.
Mesh retopology and use of PBR materials

FRANCESCO GABELONE, MARIA CHIFFI, DAVIDE TANASI, MICHAEL DECKER
Integrated technologies for indirect documentation, conservation and communication of the Roman mosaics of Piazza Armerina (Enna, Italy)

DANIELE VILLA
Architectural Visualization in the Age of 5G

Sudda Palladio, Andrea Palladio, Università di Padova
TIZIANO BETTLELI, ANDREA FANCELLE, LUCA TESI
MotherBoard City

DATA VISUALIZATION AND INFOGRAPHIC
VISUALIZZAZIONE DATI E INFOGRAFICA

PAPERS
ARTICOLI

MATTEO MORETTI, ALVISE MATTOZZI
Participatory data physicalization. A new space to inform and engage the public.

GIOVANNI CAFFIO
Atlas of abandoned villages. An online database for the ongoing representation of neglected towns in Abruzzo.

DOMENCO PASTORE, FRANCESCA SISCI
Limes et con-fines

CHIARA VERNIZZI, DONATELLA BONTENMP
Can a map save city shops? Applications of data visualization to represent the material and immaterial urban survey

MARA BALESTRIERI, AMEDEO GANCiu
The use of graphs to explore the network paradigm in urban and territorial studies

MARTA MAGAGNINI
Circle tales. Infographics to tell about contemporary art

ELENA IPPOLITI, MANLIO MASSIMETTI, ANGELA TESTA
It's time for data!
Modulations of representation: visible, perceptible, imaginable

IMMAGINI
IMAGES

DEMIS BASSO
The Shot Graphs

MATTEO FLAVIO MANCINI
Quantitative representations of landscape intervisibility algorithmic. Modelling for data visualisation

DANIA MENAFRA
Europe Cities Cultures. First conference of the European capitals of culture

ANNALISA BARLA, SAMUELE FIORINI, AMI LIÇAJ, ANNA PAOLA VACANTI, ANDREA VIAN
Paths of graduates from the University of Genoa (1990-2016)
People who became the University of Genoa (1996-2016)

ELISABETTA C. GIOVANNINI
A little data provenance exercise
Print on online edition: provenance data
Rethinking local heritage through graphics in Mantua and Sabbioneta.
Images, maps, fanzines for narrating a Unesco site with students during school-work internship

Ripensare il patrimonio locale attraverso la grafica a Mantova e Sabbioneta. Immagini, mappe, fanzine per narrare il sito Unesco con gli studenti dell’alternanza scuola lavoro

Abstract
This contribution illustrates MOBARTECH a research project funded by the European Union, the Lombardy Region and the Government, FSR, which aims at promoting cultural heritage, through research and shared actions with business, through the development of knowledge for innovative projects. Within this frame a kit aimed for young visitors and city users, was researched, designed and finally realized with the help of teenager students during the week of school-work program of the Institute of Tourism Pitentino in Mantua. During these process particular attention was paid to the use of drawings, graphics, images, photographs and creation of maps. Here the action of drawing or approaching to images was a necessary step marking various stages of a participatory process leading to the creation of the kit. Using graphic signs in different forms became a means of researching, knowing, synthesizing, exploring, documenting, designing and it assumed an essential value to give shape to an articulated and complex vision of knowledge.

Keywords
heritage education, maps, drawing, graphics,

Parole chiave
educazione al patrimonio, mappa, disegno