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| Soggetti                | Mathematics<br>Geometry, Projective<br>Computer simulation<br>Optical data processing<br>Architecture<br>Signal processing<br>Image processing<br>Speech processing systems<br>Mathematics in Art and Architecture<br>Projective Geometry<br>Simulation and Modeling<br>Image Processing and Computer Vision<br>Architectural History and Theory<br>Signal, Image and Speech Processing   |
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| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references.  |
| Nota di contenuto       | Part I Lectures -- 1 Rocco Rocchi: The Blind Intuition -- 2 Gunther Weiss: Geometry: Daughter of Art and Architecture, Mother of Mathematics -- 3 Andrea Bonarini: Image and Icons in Artificial Intelligence and Robotics. Milestones and Technical Tools -- 4 Hellmuth Stachel: Descriptive Geometry. Image Based Reasoning -- 5 Maria Grazia Sandri: Talking about Space. Searching the Image -- 6 Livio Sacchi: Architectural Heritage in Ethiopia. Two Imperial Compounds in Mekele and Addis Ababa. A Survey and Design |

Experience between History and Representation -- 7 Georg Glaeser:  
How to Precisely Measure Astronomic Periods of Time by Means of  
Stone Age Geometry -- Part II Poster Session: Archival Images between  
History and Future.

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Sommario/riassunto

The book is inspired by the first seminar in a cycle connected to the celebrations of the 150th anniversary of the Politecnico di Milano (May 2013). "Dealing with the Image. Ivory Towers and Virtual Bridges" was the motto of this meeting, aiming to stimulate a discussion among engineers, designers and architects, all of whom are traditionally involved in the use of the Image as a specialized language supporting their work, their research activities, and their educational tasks. The volume also includes essays and contributions of invited or interviewed authors from other disciplines, namely Philosophy, Mathematics and Semiotics, together with articles from the poster session and a report from the round table. According to Régis Debray, in the present "Visual Age", which he has significantly defined as a "Video-Sphere", all the information tends to be processed and controlled by means of visual devices. This occurs especially in the various branches of many technical studies and activities, one of the most sensitive areas to the use of Visual Language in the past and even more in the present. The volume includes an interview with the semiologist Ruggero Eugeni.

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