

SYSTEM OF VISUAL COMMUNICATION

SYSTEM OF VISUAL COMMUNICATION IS AN ESSENTIAL FRAMEWORK THROUGH WHICH INFORMATION IS CONVEYED VISUALLY TO ENHANCE UNDERSTANDING, ENGAGEMENT, AND INTERACTION. IT ENCOMPASSES A DIVERSE RANGE OF ELEMENTS SUCH AS SYMBOLS, SIGNS, IMAGES, COLORS, TYPOGRAPHY, AND SPATIAL ARRANGEMENTS THAT WORK TOGETHER TO COMMUNICATE MESSAGES EFFECTIVELY. THIS SYSTEM IS FUNDAMENTAL ACROSS VARIOUS FIELDS INCLUDING GRAPHIC DESIGN, ADVERTISING, USER INTERFACE DESIGN, AND EDUCATION, WHERE CLEAR AND IMPACTFUL VISUAL MESSAGING IS VITAL. UNDERSTANDING THE COMPONENTS, PRINCIPLES, AND APPLICATIONS OF THE SYSTEM OF VISUAL COMMUNICATION ALLOWS PROFESSIONALS TO CRAFT COMPELLING VISUALS THAT RESONATE WITH TARGET AUDIENCES. THIS ARTICLE EXPLORES THE CORE COMPONENTS, TYPES, PRINCIPLES, AND REAL-WORLD APPLICATIONS OF VISUAL COMMUNICATION SYSTEMS, PROVIDING A COMPREHENSIVE OVERVIEW OF HOW VISUAL INFORMATION IS STRUCTURED AND TRANSMITTED. THE CONTENT ALSO HIGHLIGHTS THE IMPORTANCE OF VISUAL LITERACY IN DECODING AND UTILIZING THESE SYSTEMS EFFECTIVELY.

- CORE COMPONENTS OF THE SYSTEM OF VISUAL COMMUNICATION
- TYPES AND FORMS OF VISUAL COMMUNICATION
- PRINCIPLES GUIDING EFFECTIVE VISUAL COMMUNICATION
- APPLICATIONS OF THE SYSTEM OF VISUAL COMMUNICATION

CORE COMPONENTS OF THE SYSTEM OF VISUAL COMMUNICATION

THE SYSTEM OF VISUAL COMMUNICATION IS BUILT UPON SEVERAL CORE COMPONENTS THAT FUNCTION COLLECTIVELY TO CONVEY MESSAGES CLEARLY AND EFFICIENTLY. THESE COMPONENTS ARE THE FOUNDATIONAL BUILDING BLOCKS THAT DEFINE HOW VISUAL INFORMATION IS PERCEIVED AND INTERPRETED BY AN AUDIENCE.

SYMBOLS AND SIGNS

SYMBOLS AND SIGNS ARE CRUCIAL IN THE SYSTEM OF VISUAL COMMUNICATION BECAUSE THEY REPRESENT IDEAS, OBJECTS, OR INSTRUCTIONS WITHOUT THE USE OF WORDS. ICONS, LOGOS, AND TRAFFIC SIGNS ARE TYPICAL EXAMPLES THAT RELY ON STANDARDIZED VISUAL CUES TO FACILITATE IMMEDIATE RECOGNITION AND UNDERSTANDING.

IMAGES AND GRAPHICS

IMAGES AND GRAPHICS FORM THE VISUAL NARRATIVE BY DEPICTING SCENES, CONCEPTS, OR DATA. PHOTOGRAPHS, ILLUSTRATIONS, INFOGRAPHICS, AND DIAGRAMS ARE USED TO ENHANCE COMPREHENSION, EVOKE EMOTIONS, AND SUPPORT TEXTUAL CONTENT WITHIN THE COMMUNICATION SYSTEM.

COLOR AND TYPOGRAPHY

COLOR PLAYS A VITAL ROLE IN ATTRACTING ATTENTION, SETTING MOODS, AND DISTINGUISHING ELEMENTS, WHILE TYPOGRAPHY REFERS TO THE STYLE AND ARRANGEMENT OF TEXT. THE CAREFUL SELECTION AND COMBINATION OF COLORS AND FONTS CAN SIGNIFICANTLY AFFECT READABILITY AND THE OVERALL IMPACT OF THE VISUAL MESSAGE.

LAYOUT AND SPATIAL ORGANIZATION

LAYOUT AND SPATIAL ORGANIZATION DETERMINE HOW VISUAL ELEMENTS ARE ARRANGED WITHIN A SPACE TO GUIDE THE VIEWER'S EYE AND CREATE A COHERENT STRUCTURE. EFFECTIVE USE OF BALANCE, ALIGNMENT, PROXIMITY, AND HIERARCHY ENSURES THAT INFORMATION IS PRESENTED LOGICALLY AND ACCESSIBLY.

TYPES AND FORMS OF VISUAL COMMUNICATION

THE SYSTEM OF VISUAL COMMUNICATION MANIFESTS THROUGH VARIOUS TYPES AND FORMS, EACH SUITED TO DIFFERENT CONTEXTS AND PURPOSES. RECOGNIZING THESE DISTINCTIONS HELPS IN SELECTING THE MOST APPROPRIATE METHODS TO ACHIEVE CLEAR AND EFFECTIVE COMMUNICATION.

STATIC VISUAL COMMUNICATION

STATIC VISUAL COMMUNICATION REFERS TO NON-MOVING IMAGES OR GRAPHICS THAT CONVEY MESSAGES AT A GLANCE. EXAMPLES INCLUDE POSTERS, BROCHURES, SIGNAGE, AND PRINTED MATERIALS WHERE THE VISUAL REMAINS CONSTANT AND REQUIRES NO INTERACTION.

DYNAMIC VISUAL COMMUNICATION

DYNAMIC VISUAL COMMUNICATION INVOLVES MOVING IMAGES OR INTERACTIVE VISUALS SUCH AS VIDEOS, ANIMATIONS, AND DIGITAL DISPLAYS. THESE FORMS ENGAGE VIEWERS THROUGH MOTION AND OFTEN INCORPORATE SOUND, ENHANCING STORYTELLING AND USER ENGAGEMENT.

ENVIRONMENTAL VISUAL COMMUNICATION

ENVIRONMENTAL VISUAL COMMUNICATION INTEGRATES VISUAL ELEMENTS WITHIN PHYSICAL SPACES TO INFLUENCE BEHAVIOR OR PROVIDE INFORMATION. THIS INCLUDES ARCHITECTURAL SIGNAGE, WAYFINDING SYSTEMS, AND EXHIBITION DESIGN, WHICH GUIDE AND INFORM INDIVIDUALS IN SPECIFIC ENVIRONMENTS.

DATA VISUALIZATION

DATA VISUALIZATION TRANSFORMS COMPLEX DATA SETS INTO VISUAL FORMATS LIKE CHARTS, GRAPHS, AND MAPS. THIS TYPE OF VISUAL COMMUNICATION SIMPLIFIES INFORMATION PROCESSING, MAKING TRENDS AND PATTERNS MORE ACCESSIBLE AND UNDERSTANDABLE.

PRINCIPLES GUIDING EFFECTIVE VISUAL COMMUNICATION

THE EFFECTIVENESS OF ANY SYSTEM OF VISUAL COMMUNICATION DEPENDS ON ADHERENCE TO CORE DESIGN PRINCIPLES THAT ENHANCE CLARITY, ENGAGEMENT, AND RETENTION. THESE PRINCIPLES PROVIDE A FRAMEWORK FOR CREATING VISUALS THAT COMMUNICATE PURPOSEFULLY AND EFFICIENTLY.

CLARITY AND SIMPLICITY

CLARITY ENSURES THAT THE MESSAGE IS IMMEDIATELY UNDERSTANDABLE, WHILE SIMPLICITY AVOIDS UNNECESSARY COMPLEXITY THAT CAN CONFUSE OR DISTRACT THE VIEWER. VISUALS SHOULD FOCUS ON ESSENTIAL INFORMATION, AVOIDING CLUTTER AND EXTRANEOUS DETAILS.

CONSISTENCY AND COHESION

CONSISTENCY IN STYLE, COLOR SCHEMES, AND TYPOGRAPHY HELPS BUILD A RECOGNIZABLE VISUAL IDENTITY AND REINFORCES THE MESSAGE. COHESION AMONG VISUAL ELEMENTS ENSURES THAT THE OVERALL COMMUNICATION IS HARMONIOUS AND UNIFIED.

CONTRAST AND EMPHASIS

CONTRAST BETWEEN COLORS, SHAPES, AND SIZES HELPS HIGHLIGHT KEY ELEMENTS AND DIRECT ATTENTION WHERE IT IS MOST NEEDED. EMPHASIS ENSURES THAT THE MOST IMPORTANT PARTS OF THE MESSAGE STAND OUT AND ARE MEMORABLE.

BALANCE AND ALIGNMENT

BALANCE DISTRIBUTES VISUAL WEIGHT EVENLY ACROSS A DESIGN, CREATING STABILITY AND STRUCTURE. PROPER ALIGNMENT ORGANIZES ELEMENTS IN A WAY THAT GUIDES THE VIEWER'S EYE NATURALLY AND IMPROVES READABILITY.

APPLICATIONS OF THE SYSTEM OF VISUAL COMMUNICATION

THE SYSTEM OF VISUAL COMMUNICATION IS APPLIED IN NUMEROUS INDUSTRIES AND CONTEXTS, DEMONSTRATING ITS VERSATILITY AND IMPORTANCE IN MODERN COMMUNICATION STRATEGIES. ITS APPLICATIONS RANGE FROM CORPORATE BRANDING TO EDUCATIONAL TOOLS AND DIGITAL INTERFACES.

MARKETING AND ADVERTISING

IN MARKETING, VISUAL COMMUNICATION SYSTEMS ARE EMPLOYED TO CREATE BRAND IDENTITIES, PROMOTIONAL MATERIALS, AND ADVERTISEMENTS THAT CAPTURE ATTENTION AND CONVEY PRODUCT BENEFITS EFFECTIVELY. STRONG VISUAL MESSAGING HELPS DIFFERENTIATE BRANDS IN COMPETITIVE MARKETS.

USER INTERFACE AND EXPERIENCE DESIGN

VISUAL COMMUNICATION IS INTEGRAL TO USER INTERFACE (UI) AND USER EXPERIENCE (UX) DESIGN, WHERE IT SUPPORTS NAVIGATION, INTERACTION, AND OVERALL USABILITY OF DIGITAL PRODUCTS. CLEAR ICONS, INTUITIVE LAYOUTS, AND RESPONSIVE VISUALS CONTRIBUTE TO POSITIVE USER ENGAGEMENT.

EDUCATION AND TRAINING

EDUCATIONAL MATERIALS HEAVILY RELY ON VISUAL COMMUNICATION SYSTEMS TO SIMPLIFY COMPLEX CONCEPTS AND ENHANCE LEARNING RETENTION. DIAGRAMS, CHARTS, AND ILLUSTRATIVE CONTENT ASSIST LEARNERS IN UNDERSTANDING AND MEMORIZING INFORMATION EFFICIENTLY.

PUBLIC INFORMATION AND SAFETY

VISUAL COMMUNICATION IS ESSENTIAL FOR PUBLIC INFORMATION SYSTEMS SUCH AS ROAD SIGNS, EMERGENCY INSTRUCTIONS, AND SAFETY WARNINGS. THESE VISUALS MUST BE UNIVERSALLY RECOGNIZABLE AND EASILY INTERPRETED TO ENSURE PUBLIC SAFETY AND COMPLIANCE.

CORPORATE COMMUNICATION AND BRANDING

CONSISTENT VISUAL COMMUNICATION THROUGH LOGOS, CORPORATE COLORS, AND DESIGN GUIDELINES ESTABLISHES BRAND RECOGNITION AND TRUST. IT CONVEYS COMPANY VALUES AND PROFESSIONALISM ACROSS VARIOUS MEDIA AND STAKEHOLDER INTERACTIONS.

1. SYMBOLS AND SIGNS FACILITATE IMMEDIATE RECOGNITION.
2. IMAGES AND GRAPHICS ENHANCE NARRATIVE AND EMOTIONAL IMPACT.
3. COLOR AND TYPOGRAPHY INFLUENCE PERCEPTION AND READABILITY.
4. LAYOUT ORGANIZES INFORMATION FOR LOGICAL FLOW.
5. TYPES OF VISUAL COMMUNICATION VARY FROM STATIC TO DYNAMIC FORMS.
6. DESIGN PRINCIPLES LIKE CLARITY AND BALANCE OPTIMIZE EFFECTIVENESS.
7. APPLICATIONS SPAN MARKETING, UI DESIGN, EDUCATION, AND MORE.

FREQUENTLY ASKED QUESTIONS

WHAT IS A SYSTEM OF VISUAL COMMUNICATION?

A SYSTEM OF VISUAL COMMUNICATION IS A STRUCTURED METHOD OF CONVEYING INFORMATION AND IDEAS THROUGH VISUAL ELEMENTS SUCH AS IMAGES, SYMBOLS, COLORS, TYPOGRAPHY, AND LAYOUTS TO FACILITATE UNDERSTANDING AND INTERACTION.

WHAT ARE THE KEY COMPONENTS OF A VISUAL COMMUNICATION SYSTEM?

KEY COMPONENTS INCLUDE VISUAL ELEMENTS LIKE ICONS, GRAPHICS, COLOR SCHEMES, TYPOGRAPHY, LAYOUT DESIGN, AND SOMETIMES MOTION OR INTERACTIVE FEATURES, ALL ORGANIZED TO EFFECTIVELY COMMUNICATE A MESSAGE.

HOW DOES A SYSTEM OF VISUAL COMMUNICATION IMPROVE USER EXPERIENCE?

IT ENHANCES USER EXPERIENCE BY MAKING INFORMATION EASIER TO UNDERSTAND AND NAVIGATE, REDUCING COGNITIVE LOAD, AND CREATING INTUITIVE INTERACTIONS THROUGH CONSISTENT AND CLEAR VISUAL CUES.

WHAT ROLE DOES COLOR PLAY IN A SYSTEM OF VISUAL COMMUNICATION?

COLOR HELPS CONVEY EMOTIONS, HIGHLIGHT IMPORTANT INFORMATION, CREATE HIERARCHY, AND ESTABLISH BRAND IDENTITY, MAKING IT A CRUCIAL ELEMENT IN GUIDING THE VIEWER'S ATTENTION AND ENHANCING MESSAGE RETENTION.

HOW CAN VISUAL COMMUNICATION SYSTEMS BE APPLIED IN DIGITAL INTERFACES?

THEY CAN BE APPLIED THROUGH USER INTERFACE DESIGN, INCLUDING ICONS, BUTTONS, TYPOGRAPHY, COLOR SCHEMES, AND LAYOUT STRUCTURES THAT GUIDE USER ACTIONS AND IMPROVE ACCESSIBILITY AND ENGAGEMENT ONLINE.

WHAT ARE SOME EXAMPLES OF SYSTEMS OF VISUAL COMMUNICATION?

EXAMPLES INCLUDE TRAFFIC SIGNS, INFOGRAPHICS, BRAND LOGOS, USER INTERFACE DESIGN SYSTEMS, WAYFINDING SYSTEMS IN

BUILDINGS, AND VISUAL LANGUAGES LIKE PICTOGRAMS AND EMOJIS.

HOW DO CULTURAL DIFFERENCES IMPACT SYSTEMS OF VISUAL COMMUNICATION?

CULTURAL DIFFERENCES AFFECT THE INTERPRETATION OF COLORS, SYMBOLS, AND IMAGERY, SO VISUAL COMMUNICATION SYSTEMS MUST BE ADAPTED TO CULTURAL CONTEXTS TO ENSURE ACCURATE AND RESPECTFUL MESSAGING.

WHAT TOOLS ARE COMMONLY USED TO CREATE SYSTEMS OF VISUAL COMMUNICATION?

COMMON TOOLS INCLUDE GRAPHIC DESIGN SOFTWARE LIKE ADOBE ILLUSTRATOR, PHOTOSHOP, SKETCH, FIGMA, AND PROTOTYPING TOOLS THAT HELP DESIGN AND TEST VISUAL COMMUNICATION ELEMENTS EFFECTIVELY.

ADDITIONAL RESOURCES

1. *VISUAL COMMUNICATION: IMAGES WITH MESSAGES*

THIS BOOK EXPLORES THE PRINCIPLES AND TECHNIQUES USED IN VISUAL COMMUNICATION, EMPHASIZING HOW IMAGES CONVEY MEANING BEYOND WORDS. IT COVERS TOPICS SUCH AS SYMBOLISM, DESIGN ELEMENTS, AND CULTURAL CONTEXT, MAKING IT ESSENTIAL FOR STUDENTS AND PROFESSIONALS IN GRAPHIC DESIGN AND MEDIA STUDIES. THE AUTHOR PROVIDES NUMEROUS EXAMPLES FROM ADVERTISING, ART, AND DIGITAL MEDIA TO ILLUSTRATE KEY CONCEPTS.

2. *THE LANGUAGE OF VISUAL COMMUNICATION*

FOCUSING ON THE SEMIOTICS OF IMAGES, THIS TEXT DELVES INTO HOW VISUAL SIGNS FUNCTION AS A LANGUAGE AND HOW THEY ARE INTERPRETED BY AUDIENCES. IT DISCUSSES THE RELATIONSHIP BETWEEN VISUALS AND TEXT, THE IMPACT OF COLOR AND COMPOSITION, AND THE ROLE OF CONTEXT IN SHAPING MEANING. THE BOOK IS VALUABLE FOR UNDERSTANDING HOW TO CRAFT CLEAR, COMPELLING VISUAL MESSAGES.

3. *DESIGNING VISUAL COMMUNICATION: FROM CONCEPT TO DELIVERY*

THIS PRACTICAL GUIDE COVERS THE ENTIRE PROCESS OF CREATING EFFECTIVE VISUAL COMMUNICATION, FROM INITIAL IDEA GENERATION TO FINAL PRESENTATION. IT INCLUDES CHAPTERS ON TYPOGRAPHY, LAYOUT, COLOR THEORY, AND DIGITAL TOOLS, WITH CASE STUDIES FROM BRANDING AND ADVERTISING PROJECTS. READERS GAIN HANDS-ON KNOWLEDGE TO DEVELOP VISUALLY ENGAGING AND PURPOSEFUL DESIGNS.

4. *VISUAL COMMUNICATION THEORY AND RESEARCH: A READER*

A COMPREHENSIVE ANTHOLOGY, THIS BOOK COMPILES SEMINAL ESSAYS AND STUDIES ON VISUAL COMMUNICATION THEORY AND PRACTICE. TOPICS RANGE FROM COGNITIVE PROCESSING OF IMAGES TO THE SOCIETAL IMPACTS OF VISUAL MEDIA. IT'S AN EXCELLENT RESOURCE FOR SCHOLARS, PROVIDING DIVERSE PERSPECTIVES AND FOUNDATIONAL RESEARCH IN THE FIELD.

5. *INFORMATION VISUALIZATION: PERCEPTION FOR DESIGN*

THIS BOOK BRIDGES PSYCHOLOGY AND DESIGN TO EXPLAIN HOW PEOPLE PERCEIVE AND PROCESS VISUAL INFORMATION. IT FOCUSES ON CREATING CLEAR, INFORMATIVE GRAPHICS SUCH AS CHARTS, MAPS, AND INFOGRAPHICS. THE AUTHOR OFFERS GUIDELINES TO OPTIMIZE VISUAL CLARITY AND EFFECTIVENESS, MAKING IT A CRITICAL RESOURCE FOR DATA DESIGNERS AND COMMUNICATORS.

6. *VISUAL COMMUNICATION: INTEGRATING MEDIA, ART, AND SCIENCE*

EXPLORING THE INTERDISCIPLINARY NATURE OF VISUAL COMMUNICATION, THIS BOOK EXAMINES THE INTEGRATION OF ARTISTIC CREATIVITY WITH SCIENTIFIC PRINCIPLES AND TECHNOLOGICAL ADVANCES. IT COVERS DIGITAL IMAGING, MULTIMEDIA STORYTELLING, AND INTERACTIVE DESIGN. READERS LEARN HOW TO HARNESS MULTIPLE MEDIA FORMS TO CREATE IMPACTFUL VISUAL NARRATIVES.

7. *GRAPHIC COMMUNICATION: VISUAL LITERACY AND DESIGN*

THIS TEXT EMPHASIZES THE DEVELOPMENT OF VISUAL LITERACY SKILLS NECESSARY TO INTERPRET AND CREATE GRAPHIC COMMUNICATIONS. IT DISCUSSES THE HISTORY OF GRAPHIC DESIGN, PRINCIPLES OF COMPOSITION, AND CURRENT TRENDS IN DIGITAL MEDIA. THE BOOK IS IDEAL FOR STUDENTS AIMING TO ENHANCE THEIR ABILITY TO READ AND PRODUCE EFFECTIVE VISUAL CONTENT.

8. *VISUAL COMMUNICATION IN DIGITAL CULTURE*

FOCUSING ON THE DIGITAL AGE, THIS BOOK ANALYZES HOW VISUAL COMMUNICATION HAS EVOLVED WITH SOCIAL MEDIA, MOBILE

TECHNOLOGY, AND VIRTUAL ENVIRONMENTS. IT ADDRESSES ISSUES OF IDENTITY, REPRESENTATION, AND INTERACTIVITY IN DIGITAL VISUALS. THE AUTHOR PROVIDES CRITICAL INSIGHTS INTO THE CHALLENGES AND OPPORTUNITIES OF COMMUNICATING VISUALLY ONLINE.

9. *PRINCIPLES OF VISUAL COMMUNICATION DESIGN*

THIS FOUNDATIONAL TEXT OUTLINES THE CORE PRINCIPLES THAT GUIDE EFFECTIVE VISUAL COMMUNICATION DESIGN, INCLUDING BALANCE, CONTRAST, HIERARCHY, AND UNITY. IT INCLUDES PRACTICAL EXERCISES AND EXAMPLES FROM VARIOUS MEDIA, HELPING READERS APPLY THEORY TO PRACTICE. THE BOOK IS SUITABLE FOR BEGINNERS AND SERVES AS A REFERENCE FOR EXPERIENCED DESIGNERS.

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system of visual communication: Neutrosophic Sets and Systems, vol. 77/2025 Florentin Smarandache, Mohamed Abdel-Basset, Maikel Leyva-Vázquez, 2025-01-31 “Neutrosophic Sets and Systems” has been created for publications on advanced studies in neutrosophy, neutrosophic set, neutrosophic logic, neutrosophic probability, neutrosophic statistics that started in 1995 and their applications in any field, such as the neutrosophic structures developed in algebra, geometry, topology, etc. Neutrosophy is a new branch of philosophy that studies the origin, nature, and scope of neutralities, as well as their interactions with different ideational spectra. This theory considers every notion or idea $\langle A \rangle$ together with its opposite or negation $\langle \text{anti}A \rangle$ and with their spectrum of neutralities $\langle \text{neut}A \rangle$ in between them (i.e. notions or ideas supporting neither $\langle A \rangle$ nor $\langle \text{anti}A \rangle$). The $\langle \text{neut}A \rangle$ and $\langle \text{anti}A \rangle$ ideas together are referred to as $\langle \text{non}A \rangle$. Neutrosophy is a generalization of Hegel's dialectics (the last one is based on $\langle A \rangle$ and $\langle \text{anti}A \rangle$ only). According to this theory every idea $\langle A \rangle$ tends to be neutralized and balanced by $\langle \text{anti}A \rangle$ and $\langle \text{non}A \rangle$ ideas - as a state of equilibrium. In a classical way $\langle A \rangle$, $\langle \text{neut}A \rangle$, $\langle \text{anti}A \rangle$ are disjoint two by two. But, since in many cases the borders between notions are vague, imprecise, Sorites, it is possible that $\langle A \rangle$, $\langle \text{neut}A \rangle$, $\langle \text{anti}A \rangle$ (and $\langle \text{non}A \rangle$ of course) have common parts two by two, or even all three of them as well. Neutrosophic Set and Neutrosophic Logic are generalizations of the fuzzy set and respectively fuzzy logic (especially of intuitionistic fuzzy set and respectively intuitionistic fuzzy logic). In neutrosophic logic a proposition has a degree of truth (T), a degree of indeterminacy (I), and a degree of falsity (F), where T, I, F are standard or non-standard subsets of $]0, 1+[$. Neutrosophic Probability is a generalization of the classical probability and imprecise probability. Neutrosophic Statistics is a generalization of the classical statistics.

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Conference on Multi-modal Information Analytics, held online, on April 23, 2022.

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Universal Access in Human-Computer Interaction, UAHCI 2013, held as part of the 15th International Conference on Human-Computer Interaction, HCII 2013, held in Las Vegas, USA in July 2013, jointly with 12 other thematically similar conferences. The total of 1666 papers and 303 posters presented at the HCII 2013 conferences was carefully reviewed and selected from 5210 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 230 contributions included in the UAHCI proceedings were carefully reviewed and selected for inclusion in this three-volume set. The 78 papers included in this volume are organized in the following topical sections: age-related issues, human vision in universal access, emotions and persuasion in universal access, design for autistic spectrum disorders, cognitive issues for universal access, universal access to the Web and social communities.

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