The Bremen Summer of COGNITION AND DESIGN.
The Human-Centred Cognitive Assistance Lab. at the University of Bremen cordially invites you to engage with CoDesign 2017: The Bremen Summer of Cognition and Design. CoDesign 2017 includes a series of mutually complementary events in the areas of artificial intelligence, spatial cognition, design computing and cognition, creativity, multi-modality, communication and media, and human-behaviour studies.

CoDesign \ MINDS. EXPERIENCES. TECHNOLOGIES.

Spatial cognition and computation, embodied design thinking, and human-centred design engineering from the viewpoints of diverse design domains are of prime focus. Design areas being considered include architecture and the built environment, product design, (digital) narrative media design, and visual art design in its many diverse forms. The synthesis of visuo-locomotive and visuo-auditory cognitive experience from the viewpoints of evidence-based architectural design and media design (e.g., film, animation, immersion) is of special interest. CoDesign 2017 offers a series of seminars and lectures by leading international researchers, workshops & symposia, tutorials, experiments in visual perception, and public lectures & exhibitions.

CoDesign 2017 events offer a discussion point for the development of projects, collaborations, and other international people-exchange initiatives at the interface of artificial intelligence, cognitive science, psychology, human-computer interaction, and design studies.
PEOPLE

PROF. MEHUL BHATT
UNIVERSITY OF BREMEN

HUMAN-CENTRED COGNITIVE ASSISTANCE
DEPARTMENT OF COMPUTER SCIENCE
UNIVERSITY OF BREMEN, GERMANY

PROF. BIPIN INDURKHYA
IIIT HYDERABAD & AGH UNIVERSITY

PROFESSOR OF COMPUTER SCIENCE & COGNITIVE SCIENCE
IIIT HYDERABAD, INDIA
AGH UNIVERSITY, POLAND

PROF. JAMES CUTTING
CORNELL UNIVERSITY

SUSAN LINN SAGE PROFESSOR OF PSYCHOLOGY
CORNELL UNIVERSITY, UNITED STATES

PROF. DANIEL LEVIN
VANDERBILT UNIVERSITY

PROFESSOR OF PSYCHOLOGY AND HUMAN DEVELOPMENT
VANDERBILT UNIVERSITY, UNITED STATES

DR. JUHYUN LEE
THE UNIVERSITY OF NEWCASTLE

SENIOR LECTURER: SCHOOL OF ARCHITECTURE AND BUILT ENVIRONMENT
THE UNIVERSITY OF NEWCASTLE, AUSTRALIA
PROF. CLAYTON LEWIS
UNIVERSITY OF COLORADO

PROFESSOR OF COMPUTER SCIENCE
FELLOW: INSTITUTE OF COGNITIVE SCIENCE
UNIVERSITY OF COLORADO, UNITED STATES

PROF. FRANCIS STEEN
UNIVERSITY OF CALIFORNIA

PROFESSOR OF COMMUNICATION STUDIES / DIGITAL HUMANITIES
UNIVERSITY OF CALIFORNIA (UCLA), UNITED STATES

PROF. TOSHIHARU TAUARA
KOBE UNIVERSITY

PROFESSOR OF MECHANICAL ENGINEERING
KOBE UNIVERSITY, JAPAN

DR. PIA TIKKA
AALTO UNIVERSITY

RESEARCH FELLOW: SCHOOL OF ART, DESIGN
ARCHITECTURE AALTO UNIVERSITY, FINLAND

PROF. MARK TURNER
CASE WESTERN RESERVE UNIVERSITY

PROFESSOR OF COGNITIVE SCIENCE
CASE WESTERN RESERVE UNIVERSITY, UNITED STATES
SEMINARS

APRIL 20 / THURSDAY

MARK TURNER
ON: VOICE, ACTION, GESTURE: THEORY AND TOOLS FOR THE BIG DATA STUDY OF MULTIMODAL COMMUNICATION
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 14:00 - 16:00

FRANCIS STEEN
ON: CASE STUDIES IN MULTIMODAL COMMUNICATION
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 14:00 - 16:00

MAY 15 / MONDAY

MEHUL BHATT
ON: (SPATIAL) COGNITION AND (SPATIAL) DESIGN
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 14:00 - 16:00

BIPIN INDURKHYA
ON: THINKING LIKE A CHILD: THE ROLE OF SURFACE SIMILARITIES IN STIMULATING CREATIVITY, AND IMPLICATIONS FOR THE DESIGN OF CREATIVITY SUPPORT SYSTEMS
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 16:00 - 17:00
MAY

MAY 18 - 25 / THURSDAY - THURSDAY

PIA TIKKA
ON: THE NARRATING BRAIN: HOW EXPERIMENTAL NEUROSCIENCE CAN HELP US TO UNDERSTAND THE SOCIAL MIND?
WHERE: ROOM 1010 @ SFG \ UNIVERSITY OF BREMEN
WHEN: 16:00 - 17:00

CLAYTON LEWIS
ON: NEW REPRESENTATIONS OF INFORMATION FOR PEOPLE WITH DISABILITIES: MULTIDISCIPLINARY PERSPECTIVES
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 16:00 - 17:00

JUNE

JUNE 6 / TUESDAY

JAMES CUTTING
ON: STORYTELLING AND POPULAR MOVIES, AND ITS UNDERLYING PSYCHOLOGICAL PRINCIPLES
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 16:00 - 18:30

DANIEL LEVIN
ON: VISUAL ATTENTION AND REPRESENTATION DURING MEANINGFUL EVENTS
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 16:00 - 18:30

JUNE 7 / WEDNESDAY

TOSHIHARU TAURA
ON: CREATIVE THINKING IN INNOVATION DESIGN
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 09:00 - 10:00

JUHYUN LEE
ON: THE LANGUAGE OF DESIGN: CREATIVITY, COMPLEXITY AND SPATIAL REPRESENTATION IN DESIGN
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 14:00 - 15:00
APRIL 20 / THURSDAY

HWK LECTURE BY: MARK TURNER
ON: THE ORIGIN OF IDEAS: BLENDING, CREATIVITY, AND THE HUMAN SPARK
WHERE: HANSE-WISSENSCHAFTKOLLEG (HWK) DELMENHORST
WHEN: 19:00

JUNE 7 - 8 / WEDNESDAY AND THURSDAY

ROUNDTABLE: THE (CO)DESIGN ROUNDTABLE

HOSTS AND CO-CHAIRS: MEHUL BHATT \ ELISABETH ANDRÉ
WHERE: ROTUNDE @ CARTESIUM \ UNIVERSITY OF BREMEN
WHEN: 09:00 - 18:30 (JUNE 7) \ 09:30 - 15:00 (JUNE 8)
JUNE 8 / THURSDAY ( EVENING )

PUBLIC LECTURES AND EXHIBITION:
MINDS. MOVEMENT. MOVING IMAGES. PERSPECTIVES FROM THE COGNITIVE AND PSYCHOLOGICAL SCIENCES

PUBLIC LECTURE BY: MEHUL BHATT
ON: MINDS AND MEDIA STUDIES: POSSIBILITIES FOR AI, SPATIAL COGNITION, AND DESIGN RESEARCH

PUBLIC LECTURE BY: JAMES E. CUTTING
ON: THE EVOLUTION OF POPULAR MOVIES, AND ITS UNDERLYING PSYCHOLOGICAL PRINCIPLES

PUBLIC LECTURE BY: DANIEL LEVIN
ON: FROM ART TO TRASH: WHAT THE BEST AND WORST OF FILMMAKING CAN TEACH US ABOUT HOW THE BRAIN SEES

WHERE: HAUS DER WISSENSCHAFT (HOUSE OF SCIENCE), BREMEN
WHEN: 18:00 - 21:00
JUNE 10 / SATURDAY

PLENARY TUTORIAL: COMPUTATIONAL COGNITIVE VISION FOR HUMAN-BEHAVIOUR INTERPRETATION
PRESENTER: JAKOB SUCHAN
WHERE: INTERNATIONAL CONFERENCE ON MULTIMODAL COMMUNICATION: DEVELOPING NEW THEORIES AND METHODS (ICMC 2017), OSNABRÜCK, GERMANY
WHEN: 09:30 ONWARDS

AUGUST 19 - 25 / SATURDAY - FRIDAY

TUTORIAL: DECLARATIVE SPATIAL REASONING THEORY, METHODS AND APPLICATION
PRESENTER: MEHUL BHATT / CARL SCHULTZ / PRZYMYSŁAW WALEGĄ
WHERE: 26TH INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE (IJCAI 2017), MELBOURNE, AUSTRALIA.

WORKSHOP: COGNITION AND ARTIFICIAL INTELLIGENCE FOR HUMAN-CENTRED DESIGN
CO-CHAIRS: MEHUL BHATT / ANTONIO LIETO
WHERE: 26TH INTERNATIONAL JOINT CONFERENCE ON ARTIFICIAL INTELLIGENCE (IJCAI 2017), MELBOURNE, AUSTRALIA.
SEPTEMBER 4 - 8 / MONDAY - FRIDAY

TUTORIAL: SPATIAL COGNITION IN THE WILD: METHODS FOR LARGE-SCALE BEHAVIOURAL RESEARCH IN VISUO-LOCOMOTIVE PERCEPTION
PRESENTER: MEHUL BHATT / CARL SCHULTZ / JAKOB SUCHAN / VASILIKI KONDYLI
WHERE: 13TH INTERNATIONAL CONFERENCE ON SPATIAL INFORMATION THEORY (COSIT 2017), L'AQUILA, ITALY

SEPTEMBER 25 - 29 / MONDAY - FRIDAY

WORKSHOP: MULTIMODALITY IN EMBODIED EXPERIENCE DESIGN
CO-CHAIRS: MEHUL BHATT / CLAYTON LEWIS
WHERE: THE 16TH IFIP TC.13 INTERNATIONAL CONFERENCE ON HUMAN-COMPUTER INTERACTION (INTERACT 2017), MUMBAI, INDIA
CODESIGN \ STEERING AND ORGANISATION

Human-Centred Cognitive Assistance Lab. hcc.uni-bremen.de
The DesignSpace Group. www.design-space.org
University of Bremen, Germany. www.uni-bremen.de

CODESIGN 2017 CHAIR

Prof. Dr. Mehul Bhatt
University of Bremen, and
German Research Centre for Artificial Intelligence (DFKI Bremen)
www.mehulbhatt.org

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Dr. Annette Lang
Director, International Office, University of Bremen

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Public Exhibition Support
Embodied Cognitive Experiences
Student Project / Digital Media Bremen