

SUMMER SCHOOL CIREVE

> VIRTUAL REALITY IN HEALTH AND SPORT:
ASSESSMENT, REHABILITATION, PERFORMANCE



UNIVERSITÉ
CAEN
NORMANDIE

CaeSAR
CAEN, STRATÉGIE
POUR L'ACCELERATION
EN RECHERCHE



COMETE
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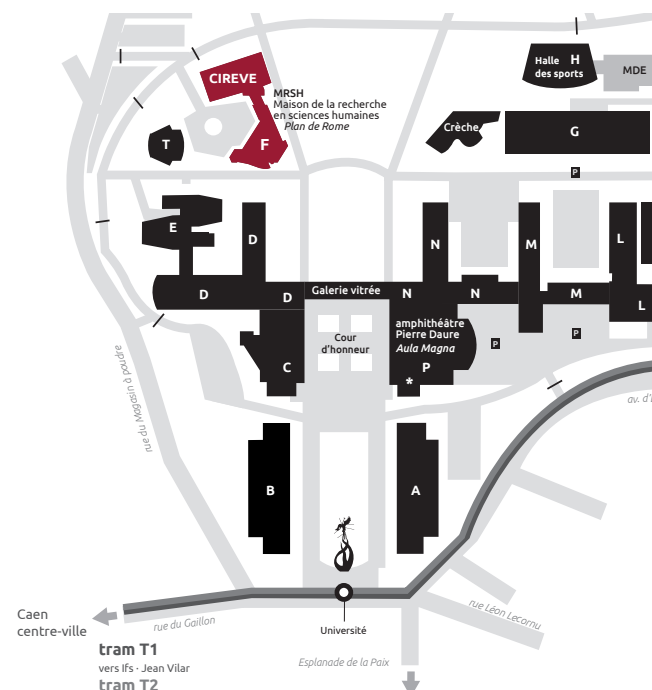
Centre interdisciplinaire de réalité virtuelle (CIREVE)

Université de Caen Normandie
Caen - Campus 1

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PROGRAM OF THE CIREVE SUMMER SCHOOL

WWW.CIREVE.UNICAEN.FR



MONDAY, AUGUST 25

08:45 - 09:15 a.m.

Opening of the CaeSAR Summer School

ADOUI Lamri, President - University of Caen Normandy
MADELEINE Sophie, Director of CIREVE - University of Caen Normandy
DECKER Leslie, Deputy Director of CIREVE - University of Caen Normandy

09:15 - 12:00 a.m.

Virtual reality in clinical practice: implementation challenges & contributions of participatory research

PERROCHON Anaïck - University of Limoges
PETROFF Antoine - Cosmos Acoustique
CHABOT Julia - McGill University, Montréal
BAUER Valentin - IRCAM, Paris
LELAUMIER Clémence, Wivy - University of Caen Normandy
NARME Pauline - Paris-Cité University

12:00 p.m. - 02:00 p.m. / *Lunch break*

Interactive demonstration stands

02:00 - 04:00 p.m.

Virtual reality in clinical practice: implementation challenges & contributions of participatory research

GIANNOULI Eleftheria - ETH Zurich
LAILLER Rémi, NeoXperiences - University of Caen Normandy
CHANCEY Christopher - University of Montreal
ZIDAROV Diana - University of Montreal

04:00 - 04:30 p.m.

Coffee break

04:30 - 06:35 p.m.

Strategies to alleviate discomfort in virtual reality: remediation approaches

KESHAVARZ Behrang - KITE Research Institute, University Health Network, Toronto
CEYTE Hadrien - Aix-Marseille University
FANTIN Luca - University of Caen Normandy
Round table: **BOCOYRAN Solenn** / **PIET Clémentine** / **LEMERCIER Maud** / **LAISNEY Mickaël**

06:45 - 08:00 p.m. / PIERRE DAURE AMPHITHEATER

Signing of inter-university partnerships

ADOUI Lamri, President - University of Caen Normandy

Public lecture: «Cybersickness: modulation of the state of the individual in immersion»

CEYTE Hadrien, MCF-HDR

TUESDAY, AUGUST 26

08:45 a.m. - 12:00 p.m.

Virtual reality in sports training: unlocking new dimensions in physical & mental preparation

GRAY Rob - Arizona State University, Tempe
KULPA Richard / **SOREL Anthony** - University Rennes 2
TIERCERY Mathis, Fédération Française de Football - University Rennes 2
RIDANE Rim, Stade Malherbe Caen - University of Caen Normandy
GOUELLE Arnaud, Fédération Française de Gymnastique - University of Reims Champagne-Ardenne

Round table: **GAUTHIER Antoine** / **DRIGNY Joffrey**

12:00 - 02:00 p.m. / *Lunch break*

Interactive demonstration stands

02:20 - 03:20 p.m.

Leveraging virtual reality & AI-driven movement analysis to identify early neurocognitive decline in aging

STERGIOU Nick - University of Nebraska at Omaha
PERTHUY Baptiste, a-gO - University of Caen Normandy
ROSSATO Julien - University of Caen Normandy
MÉGROT Fabrice - University of Caen Normandy

04:00 - 04:30 p.m.

Coffee break

04:30 - 06:00 p.m.

Identifying neurophysiological markers of cognitive contributions to motor control using VR-based gait perturbations

GURCHIEK Reed - Clemson University
FRÈRE Julien - Université Grenoble Alpes, Saint-Martin-d'Hères
DECKER Leslie - University of Caen Normandy

06:00 - 07:30 p.m.

Visit to the immersive room

08:00 p.m.

Gala evening

WEDNESDAY, AUGUST 27

08:45 - 11:00 a.m.

Enhancing postural control & psychological well-being through immersive virtual reality

KLASS Malgorzata, InMersiv Technologies - Free University of Brussels
BERLEMONT Christophe - Free University of Brussels
VAN CAUWENBERG Jelle - Free University of Brussels
SAUVAGE Chloé - Free University of Brussels

Round table: **LANGÉARD Antoine** / **MULLER Julien**

11:00 - 11:30 a.m.

Coffee break

11:30 a.m. - 12:30 p.m.

Virtual reality modulations of the perception & memory of time

DALLA BELLA Simone - University of Montreal
HINAULT Thomas - University of Caen Normandy
BESNARD Stéphane, InMind-VR - University of Caen Normandy

12:30 - 12:45 p.m.

Closing of the CaeSAR Summer School

MADELEINE Sophie, Director of CIREVE - University of Caen Normandy
DECKER Leslie, Deputy Director of CIREVE - University of Caen Normandy