

# CHEMISTRY, MATERIALS & LIGHT

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21-23 SEPTEMBER 2015

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CNR, AREA DELLA RICERCA DI BOLOGNA  
VIA P. GOBETTI, 101 - BOLOGNA, ITALY

# AN INTERNATIONAL EVENT FOCUSED ON INNOVATION IN THE FIELD OF LIGHT, INTEGRATING ACADEMIC RESEARCH, INDUSTRIAL DEVELOPMENT, END-USERS PERSPECTIVES.

CM&L 2015 is an international event organized by CNR-DSCTM and CNR-ISMN in the framework of the IYL2015 to brainstorm and share views on research and innovation challenges in materials chemistry for lighting technologies and applications.

International experts covering the full value chain from academy, innovation-oriented research centers and industries, including end-users, will discuss on the strategic role played by chemistry

and materials manufacturing to enable novel light-emitting technologies.

The meeting will cover thematic areas related to the development of innovative and tailored light-emitting materials and devices for sustainable, low-cost and easy to dispose applications in fields related to energy efficiency, lighting, display technology, environment and healthcare.

## CHEMISTRY

- Synthetic strategies and molecular design
- Definition of property-specific and tailored molecular structures
- Development of molecular, polymeric and hybrid functional structures

## MATERIALS

- Properties of molecular photo-emissive and charge transport materials at the nanoscale
- Advanced morphological and photophysical characterization techniques
- Light-generation in complex nanoscale systems
- Theoretical and computational approaches in the modeling of light-matter interaction

## LIGHT

- Real-setting implementation of light-emitting and light-sensitive materials
- New applications enabled by new technologies
- Sustainable technologies in the development of materials and devices for lighting

# INVITED SPEAKERS

**OPENING ADDRESS LUIGI NICOLAIS,  
CNR PRESIDENT**

**WOLFGANG BOCH**

HEAD OF UNIT EU DG CONNECT (B)

**ULLRICH SCHERF**

BERGISCHE UNIVERSITAET,  
WUPPERTAL (D)

**BRYCE NELSON**

SIGMA-ALDRICH, MILWAUKEE (USA)

**ANTONIO FACCHETTI**

POLYERA, SKOKIE (USA)

**ANGEL RUBIO**

MAX PLANCK INSTITUTE FOR THE STRUCTURE  
AND DYNAMICS OF MATTER, HAMBURG (D)

**RAINER MAHRT**

IBM RESEARCH, ZURICH  
RESEARCH LABORATORY (CH)

**IFOR SAMUEL**

ST ANDREWS UNIVERSITY,  
ST ANDREWS, SCOTLAND (UK)

**HANI KANAAN**

CEA, GRENOBLE (FR)

**CHRISTIAN MAY**

FRAUNHOFER-COMEDD, DRESDEN (D)

**CHRISTIAN BOSSHARD**

CSEM SA & SWISSPHOTONICS, MUTTENZ (CH)

**NINA RIEGEL**

OSRAM, REGENSBURG (D)

**STEFANO TOMINETTI**

SAES GETTERS S.P.A., LAINATE (IT)

**LUCA PORCARO**

ARTEMIDE, MILANO (IT)

**PAOLO GUZZINI**

IGUZZINI ILLUMINAZIONE S.P.A, RECANATI (IT)

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## PARTNERS



INTERNATIONAL  
YEAR OF LIGHT  
2015

MIST E-R

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## Chairs

Luigi Ambrosio (DSCTM - CNR)

Michele Muccini (ISMN - CNR)

## Scientific Committee

Manuela Melucci (ISOF - CNR)

Francesco Mercuri (ISMN - CNR)

Stefano Toffanin (ISMN - CNR)

## Organizing Committee

Giovanna Guidicelli (ISMN - CNR)

Simona Aldrovandi (ISMN - CNR)

Valeria Pignedoli (MIST E-R)

## Technical Support

Alessandro Tugnoli (ISMN - CNR)

## Communication & Press Office

Roberta Ribera (ISMN - CNR)

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[www.cml2015.it](http://www.cml2015.it)

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