



**ISTITUTO SUPERIORE
MARIO BOELLA**

EXPRESSION OF INTEREST TO 5G PPP

STRAND 2: CONVERGENCE BEYOND LAST MILE

Maurizio Spirito

Head of *Emerging Trends and Opportunities*

spirito@ismb.it

28th May 2014

M. Boella
I S M B

Istituto Superiore Mario Boella

60
SECONDS



TO PRESENT
ISMB

135

RESEARCHERS & STAFF



ONGOING PROJECTS

19 EU FUNDED
(FP7)

36 INDUSTRIAL
R&D

18 NATIONAL AND
REGIONAL



7 RESEARCH AREAS

4 FUNCTIONS

3 STRATEGIC PROGRAMS

PUBLICATIONS

960 TOTAL

167 IN 2013

WORKFORCE COMPOSITION

80% MASTER DEGREE

70% ENGINEERS

30% PhD



OVERALL TURNOVER (IN 2013)

10,5 MLN €

5 MLN €
CdSP FUNDING

5,5 MLN €
COMPETITIVE BUDGET

STRAND 2: CONVERGENCE BEYOND LAST MILE

- **P8: 5G Holistic Network Architecture**

- Definition of a unified architecture for **RAT-agnostic AAA** (authorization, authentication and accounting), **session management and quality assurance**
 - **Information-centric networking** and *mobility* speed
 - AAA and session management under *mobility* and for *off-load*
 - Quality assurance for cloud-services under *mobility vs nomadism*

- **P9: Enabling Technologies Unified Control**

- Integration of **smart IoT objects** into the resulting 5G eco-system, focusing on **identity** issues as well as on **lightweight distributed authentication** mechanisms

CONTACTS

Maurizio SPIRITO

Head of Emerging Trends and Opportunities

Istituto Superiore Mario Boella

Via Pier Carlo Boggio, 61 - 10138 Torino, Italy

spirito@ismb.it

www.ismb.it/maurizio.spirito

L +39 011 2276408

M +39 335 132 64 17



Antonio LOTITO

Head of Mobile & Usability Research Unit

Istituto Superiore Mario Boella

Via Pier Carlo Boggio, 61 - 10138 Torino, Italy

lotito@ismb.it

www.ismb.it/antonio.lotito

L +39 011 22 76 423

M +39 338 63 81 491



www.ismb.it



M. Boella
I S M B
Istituto Superiore Mario Boella