

# ELLIS NETWORK WORKSHOP

## HYBRID EVENT

**8-9 SEPTEMBER 2022**

Bocconi University  
Deutsche Bank Room (AS02)  
Via Röntgen 1  
Milano

TO ATTENDEE IN PERSON PLEASE FILL IN  
THE [REGISTRATION FORM](#)

[CLICK HERE TO FOLLOW THE ZOOM  
LIVE STREAMING](#)

**FOR INFORMATION**

Bocconi University  
Department of Computing Sciences  
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**ORGANIZING COMMITTEE**

**NICOLO' CESA-BIANCHI**  
University of Milan  
**NICOLA GATTI, MARCELLO RESTELLI**  
Politecnico di Milano  
**GABRIELLA PASI, RICCARDO ZECCHINA**  
Bocconi University

**8 SEPTEMBER 2022**

**9:00AM-7:30PM**

**8:45AM**  
**REGISTRATION OF PARTICIPANTS**

**9:00AM - 12:30PM**  
**LEARNING THEORY**

**EXTERNAL INVITED SPEAKER**  
**LEARNING LARGE GRAPHICAL MODELS**  
**GABOR LUGOSI** Pompeu Fabra University

Coffee break

**ELLIS@MILAN SPEAKERS**  
**DICTIONARY LEARNING AND NEURAL NETWORKS**  
**MARC MEZARD** Bocconi University  
**THE LOSS LANDSCAPE OF NON-CONVEX NEURAL NETWORKS**  
**CARLO BALDASSI** Bocconi University  
**MESSAGE-PASSING ALGORITHMS FOR TRAINING DNNs**  
**CARLO LUCIBELLO** Bocconi University  
**LEARNING CLUSTERS IN  $R^d$  WITH ORACLE QUERIES**  
**MARCO BRESSAN** University of Milan  
**GENERALIZATION BOUNDS IN THE PRESENCE OF OUTLIERS: A MEDIAN-OF-MEANS STUDY**  
**PIERRE LAFORGUE** University of Milan

**12:00-1:30PM**  
**LUNCH BREAK**

**1:30-5:30PM**  
**LANGUAGE AND VISION**

**EXTERNAL INVITED SPEAKER**  
**RESPONSIBLE AI: CHALLENGES AND RECOMMENDATIONS**  
**RICARDO BAEZA-YATES** Northeastern University

**ELLIS@MILAN SPEAKERS**  
**MISINFORMATION DETECTION AND USER LANGUAGE MODELING IN  
PERSONALIZED APPLICATIONS**  
**GABRIELLA PASI** University of Milano-Bicocca

Coffee break

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ON THE LIMITATIONS OF SOCIODEMOGRAPHIC ADAPTATION WITH  
TRANSFORMER

**DIRK HOVY** Bocconi University

LANGUAGE AND THE ATTENTION MECHANISM IN TRANSFORMER'S TIME

**ALESSANDRO RAGANATO** University of Milano-Bicocca

A PICTURE IS WORTH A THOUSAND WORDS

**SIMONE BIANCO** University of Milano-Bicocca

AI TO REPRESENT AND GENERATE GEOMETRIC INFORMATION

**SIMONE MELZI** University of Milano-Bicocca

ROADMAP TO UNIVERSAL HATE SPEECH DETECTION

**DEBORA NOZZA** Bocconi University

**6:30-7:30PM**

**APERITIVO**

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**9 SEPTEMBER 2022**

**9:00AM-7:00PM**

**9:00AM-12:30PM**

**REINFORCEMENT LEARNING**

**EXTERNAL INVITED SPEAKER**

MODEL-FREE LEARNING FOR TWO-PLAYER ZERO-SUM PARTIALLY OBSERVABLE  
MARKOV GAMES

**MICHAL VALKO** Deepmind & INRIA Paris

**ELLIS@MILAN SPEAKERS**

BRINGING REINFORCEMENT LEARNING INTO THE REAL WORLD

**MARCELLO RESTELLI** Politecnico di Milano

Coffee break

**COOPERATIVE ONLINE LEARNING**

**NICOLÒ CESA BIANCHI** University of Milan

ONLINE LEARNING IN NON-COOPERATIVE CONFIGURABLE ENVIRONMENTS

**ALBERTO MARIA METELLI** Politecnico di Milano

RISING BANDITS

**FRANCESCO TROVÒ** Politecnico di Milano

EXPLOITING THE GAP IN CLASSIFICATION WITH SURROGATE LOSSES

**DIRK VAN DER HOEVEN** University of Milan

**12:00-1:30PM**

**LUNCH BREAK**



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**MULTI-AGENT & ALGORITHMIC GAME THEORY**

**EXTERNAL INVITED SPEAKER**

AUCTIONS BETWEEN REGRET-MINIMIZING AGENTS

**NOAM NISAN** University of Jerusalem

**ELLIS@MILAN SPEAKERS**

RECENT ADVANCEMENTS IN EQUILIBRIUM COMPUTATION FOR ADVERSARIAL TEAM GAME

**NICOLA GATTI** Politecnico di Milano

Coffee break

BAYESIAN PERSUASION MEETS MECHANISM DESIGN: GOING BEYOND INTRACTABILITY WITH TYPE REPORTING

**MATTEO CASTIGLIONI** Politecnico di Milano

DESIGNING MENUS OF CONTRACTS EFFICIENTLY: THE POWER OF RANDOMIZATION

**ALBERTO MARCHESI** Politecnico di Milano

ONLINE LEARNING WITH LONG-TERM CONSTRAINT

**ANDREA CELLI** Bocconi University

ONLINE LEARNING IN SUPPLY-CHAIN GAMES

**TOM CESARI** University of Milan

**5:00 -7:00PM**

**PHD POSTERS SESSION WITH APERITIVO**

THE POWER OF MEDIA AGENCIES IN AD AUCTIONS: IMPROVING UTILITY THROUGH COORDINATED BIDDING

**GIULIA ROMANO** Politecnico di Milano

SEQUENTIAL INFORMATION DESIGN: LEARNING TO PERSUADE IN THE DARK

**MARTINO BERNASCONI** Politecnico di Milano

SAFE LEARNING IN TREE-FORM SEQUENTIAL DECISION MAKING: HANDLING HARD AND SOFT CONSTRAINTS

**FEDERICO CACCIAMANI** Politecnico di Milano

**EMMANUEL ESPOSITO** University of Milan

**LUKAS ZIEHRAN** University of Milan

**ROBERTO COLOMBONI** University of Milan

**GIULIA CLERICI** University of Milan

