



11.03.2019

# MINING THE MOON FOR PROFIT: A CASE STUDY IN SPACE RESOURCE UTILIZATION

Supported by  
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H. 9.00

CLASSROOM AS01

VIA ROENTGEN, 1 - MILANO

8.30 REGISTRATION

9.00 WELCOME

Giuseppe Soda, Dean SDA Bocconi

9.05 INTRODUCTION

Ian Christensen, Secure World Foundation

9.15 KEYNOTE: SPACE AGENCIES' PERSPECTIVE ON  
MOON RESOURCES UTILIZATION

Bernhard Hufenbach, ESA

- 9.35 **FIRST SESSION: STATE OF KNOWLEDGE OF AVAILABLE RESOURCES IN OUTER SPACE: LIKELY TYPES OF PROSPECTING**  
**CHAIRPERSON: Patrizia Caraveo**, INAF  
**Bernard Foing**, ESA  
**Ian Crawford**, Birkbeck, University of London  
**Eleonora Ammannito**, ASI
- 10.20 COFFEE BREAK
- 10.35 **SECOND SESSION: PROVISION OF PRIVATE SERVICES**  
**CHAIRPERSON: Carlo Mirra**, Airbus  
**Dan Hendrickson**, Astrobotic  
**Ben Roberts**, Moon Express  
**Andrew Aldrin**, Aldrin Space Institute
- 11.45 **THIRD SESSION: TECHNICAL AND BUSINESS MODELS**  
**CHAIRPERSON: Vincenzo Giorgio**, Altec  
**George Sowers**, Colorado School of Mines  
**Luigi Scatteia**, PwC Paris  
**Michele Lavagna**, Politecnico di Milano  
**Roger Lenard**, Zodiac Exploration Services  
Q&A
- 13.05 LUNCH
- 14.05 **KEYNOTE: UNOOSA PERSPECTIVE ON MOON RESOURCES UTILIZATION**  
**Simonetta di Pippo**, UNOOSA
- 14.20 **FOURTH SESSION: BUSINESS AND TECHNICAL RISKS**  
**CHAIRPERSON: Andrea Sommariva**, SDA Bocconi  
PROBABILISTIC INTERPRETATION OF THE GENERAL BUSINESS MODEL  
**Leonella Gori**, **Barbara Chizzolini**, **Edoardo Vittori**, SDA Bocconi  
Q&A
- 15.05 **FIFTH SESSION: LEGAL AND REGULATORY PERSPECTIVE IN THE FRAMEWORK OF INTERNATIONAL SPACE LAW**  
**CHAIRPERSON: Massimo Sterpi**, Gianni, Origoni, Grippo, Cappelli Partners  
**Henry Hertzfeld**, Space Policy Institute  
**Oreste Pollicino**, Bocconi University  
**Tanja Masson-Zwaan**, Leiden Law School of The Netherlands  
Q&A
- 16.05 COFFEE BREAK
- 16.20 **SIXTH SESSION: SPECULATIVE SPACE PROJECTS: EVALUATION OF SUCCESS AND FAILURE**  
**CHAIRPERSON: Paolo Bellomi**, AVIO  
**Peter Marquez**, former VP of Planetary Resources  
**Lynn Zoenen**, iSpace  
**Vittorio Bombelli**, PT Scientists  
**Pierre Larroque**, Oil and Gas Industry  
**Giuseppe Reibaldi**, Moon Village Association  
Q&A
- 17.45 SUMMARY AND ANALYSIS OF ADDITIONAL RESEARCH WORK (TECHNICAL)  
**Giancarlo Genta**, Politecnico di Torino
- 18.00 SUMMARY AND ANALYSIS OF ADDITIONAL RESEARCH WORK (LEGAL AND FINANCIAL)  
**Alfredo Roma**, Roma Aerospace

Participation is free and upon invitation.