

## AGENDA

# 16<sup>th</sup> International Conference on Space Activities Development

## Risk Management & Insurance Aspects

Rome/Hotel Parco dei Principi  
6th, 7th, 8th April 2011

## **Evolving Space Technologies at a time of Financial Uncertainty**

**– The Role of Risk Management and Insurance –**

## AGENDA

Wednesday, 6<sup>th</sup> April 2011

### Day coordinator:

**Franco Malerba**, Former Astronaut, Science Advisor of the Italian Delegation to OECD and ESA.

**Public and private sector activities together with new ventures to exploit space are proliferating**

**08:00-09:15 Registration**

**09:15-09:30 Opening address, Benito Pagnanelli**, President, Pagnanelli Risk Solutions Ltd

**09:30-12:30 Space agencies, governments and policies**

**Kouichi Morimoto**, Deputy Director, JAXA

**Giuseppe Morsillo**, Head of the Director General's Policy Office, ESA

**Enrico Saggese**, President, ASI

**Giacomo P. Sciortino**, Manager Support Finance, ASI

**Michael Wholley**, General counsel, NASA

**ROSCOSMOS**, speaker (TBA.)

*questions and answers*

**12:30 – 14:00 Buffet Lunch**

**Services expand and user numbers grow, as does the need for increasing financing and heavy investment commitments**

**14:00-15:30 Space Finance**

**Leader Peter Nesgos**, Partner, Milbank

**Bruno Bajard**, Head of Space Department, Marsh

**Martin Benatar**, Lenders' Insurance Adviser, Benatar & Co. Ltd: 'Project financed transactions & their insurance implications'

**Wim Steenbakkers**, Managing Director, Telecom & Finance, ING Bank

**Neil Stevens**, underwriter, Atrium Space

*questions and answers*

**15:30 – 16:00 Speech by Jean-Yves Le Gall, Chairman & CEO, Arianespace, followed by a champagne break**

**16:00-16:45 Galileo programme: funding, implementation & applications**

**Leader Paul Flament**, Deputy Head of Unit – ENTR/GP1, European Commission

**Anna Masutti**, Professor and Lawyer, AS& T Law Firm

**Giedre Valentaite**, Legal Officer, European Commission

*questions and answers*

## **AGENDA**

**16:45-17:45**

### **Roundtable**

**Leader**

**Peter de Selding**, Journalist, Space News

**Paul Flament**, Deputy Head of Unit – ENTR/GP1, European Commission

**David Greves**, Consultant, Barlow Lyde & Gilbert LLP

**Jean-Yves Le Gall**, Chairman & CEO, Arianespace

**Peter Nesgos**, Partner, Milbank

**Russell Sawyer**, Executive Director, Willis Inspace

**Neil Stevens**, underwriter, Atrium Space

**Michael Wholley**, General Counsel, NASA

**FIRST DAY ENDS**

## AGENDA

Thursday, 7<sup>th</sup> April 2011

Morning coordinator: **Richard Hollingham**, Science & Space journalist

**Space technology advances the progress of existing systems and sparks innovation for new ideas**

**08:15-08:45 Registration**

**08:45-08:50 Opening remarks, Benito Pagnanelli**, President, PRS Ltd

**08:50-09:50 Social & Human Issues**

**Simonetta Di Pippo**, Director of Human Spaceflight, ESA

**Peter Jackson**, Chairman, AsiaSat

**Walter Stahel**, V. Secretary General and Director of Risk Mngt Research, The Geneva Association: 'Space activities & their sustainability'

*questions and answers*

**09:50-10:45 Legal issues**

**Main Issue** "How to avoid disputes between insurers and insureds"

**Leader**

**Sean Gates**, Senior Partner, Gates & Partners

**Richard Denny**, Senior VP, Global Networks and Eng., Inmarsat

**Peter Elson**, Partner, Aerospace, JLT Specialty Limited

**Stephen T. O'Neill**, President, Boeing Satellite Systems International, Inc.

**John Ordway**, Partner, Berliner, Corcoran & Rowe, L.L.P.

**Stephen Smith**, independent arbitrator, mediator & consultant

**Neil Stevens**, underwriter, Atrium Space

*questions and answers*

**10:45-11:00 Coffee break hosted by Barlow Lyde and Gilbert**

**11:00-12:00 Technology Innovation: Pushing the Envelope for Demanding End-Users**

**Main issues** "What do content providers expect satellites to support over the coming period? For instance, there is going to be a tremendous demand for band width with the rapid growth of video. How are satellite operators and the industry going to meet that demand? Are new launch technologies mature yet?"

**Leader**

**Richard Denny**, Senior VP, Global Networks and Eng., Inmarsat

**Giuliano Berretta**, Chairman of the Board, Eutelsat: "What kind of satellites for demanding end users?"

**Franklin Chang Diaz**, former Astronaut, President and CEO, Ad Astra Rocket: "Developing VASIMR<sup>®</sup>: historical perspective, present status, future plans"

**Timothy Hughes**, Senior VP and General Counsel, SpaceX

**Peter Jackson**, Chairman, AsiaSat

*questions and answers*

## AGENDA

### 12:00-13:15 Launchers & Spacecraft Manufacturing Evolution

Leader

**Richard Hollingham**, Science & Space journalist

**Jacques Breton**, SVP, Arianespace

**Kjell Karlsen**, President, Sea Launch

**Barry Noakes**, Chief Engineer, Lockheed Martin Comm. Space Systems

**Stephen T. O'Neill**, President, Boeing Satellite Systems International, Inc.

**Phil Slack**, VP & CFO, ILS

**Shigehiro Suzuki**, General Manager, H-2A/H Launch Services, MHI

**Toru Yunoki**, Deputy General Manager, Civil and Com. Space Dpt., MELCO

*questions and answers*

### 13:15 – 14:15 Buffet Lunch

**Afternoon coordinator: Chris Kunstader**, Senior VP, XL Insurance

### RISK MANAGEMENT SESSIONS

**In this dynamic and evolving environment, are the risks present being correctly managed?**

#### 14:15-14:45 Why is facing up to Disaster Management so critical?

**Paul Freeman**, Partner, Gates & Partners

#### 14:45-16:00 Space Weather

- **Solar Max 2012-2013**

Leader

**Richard Hollingham**, Science & Space journalist

**Peter Elson**, Partner, Aerospace, JLT Specialty Limited

**Richard Horne**, Scientist and Professor of Space Physics, British Antarctic Survey: “Scientific Research to help Protect Satellites on Orbit”

**Maria Sarno**, Thales Alenia Space

**David Wade**, underwriter, Atrium Space

- **Monitoring Weather & Climate from Space: what does it take to cope with extreme events?**

Leader

**Richard Hollingham**, Science & Space journalist

**Pierre Alain Schieb**, Counsellor/Head of Future Projects, OECD

## AGENDA

**16:00-16:15 Coffee break**

**16:15-17:30 Space Debris**

**Leader**

**Chris Kunstadter**, Senior VP, XL Insurance

**Richard Denny**, Senior VP, Global Networks and Eng., Inmarsat

**Nicholas Hughes**, Partner, Barlow Lyde & Gilbert: “TP Liability aspects”

**Tim Wakeman**, Executive VP, AON-ISB

*questions and answers on Risk Management sessions*

**SECOND DAY ENDS**

## AGENDA

Friday, 8<sup>th</sup> April 2011

Day coordinator: **Ramin Khadem**, International Space University

### INSURANCE SESSIONS

**Is the space insurance market sufficiently innovative, adaptable, competitive and financially sound to bear adverse loss experience and the uncertainties of the financial markets in the global economy?**

**08:15-08:45** Registration

**08:45** Opening remarks, **Benito Pagnanelli**, President, PRS Ltd

**08:50-11:45** 1<sup>st</sup> Session

**Main issues** “Statistical roundup and forecast. What has changed in the past two years, and what has remained the same? Space Debris – can we continue to dodge the bullet? Space Weather – is the storm brewing?”

**Leader** **Chris Kunstadter**, Senior VP, XL Insurance  
**Bruno Bajard**, Head of Space Department, Marsh  
**Peter Elson**, Partner, Aerospace, JLT Specialty Limited  
**Shu Lu**, Assistant general Manager, PICC  
**David Wade**, underwriter, Atrium Space

2<sup>nd</sup> Session

**Main issue** “How do the activities covered in the first two days of the Conference (e.g., space agencies, finance, legal, new space companies such as SpaceX, etc.) affect space insurance?”

**Leader** **Yamin Mustafa**, Managing Director, Marsh  
**Martin Benatar**, Lenders’ Insurance Adviser, Benatar & Co. Ltd  
**David Greves**, Consultant, Barlow Lyde & Gilbert  
**Pascal Lecointe**, Space Underwriter, Hiscox

3<sup>rd</sup> Session

**Main issue** “Update on liability issues associated with new space ventures”

**Leader** **Tim Wakeman**, Executive VP, AON-ISB  
**Nicholas Hughes**, Partner, Barlow Lyde & Gilbert  
**Tim Wright**, Senior Underwriter, Global Aerospace

## AGENDA

### 4<sup>th</sup> Session

#### Main issues

- What is a good customer? What is a good risk? (banks are using rating agencies to evaluate the financial strengths of their customers. In space, the main problem is the potential volatility of this market. Is there a way to rationalise the evaluation of the risks and the customers to reduce the risk of volatility?)
- Has vertical marketing created an unsustainable Marketplace?
- Space insurance market has moved from horizontal placement to vertical placement. Is it now also possible that it moves from quota share to excess layers seducing potential new market players?
- The gradual erosion of the robust policy wording – why we're creating a market time bomb.
- A market claims handling procedure: would it be advisable?, is it realistically feasible?, is it compatible with market practices and other regulations?
- Will space insurance become a facility like aviation insurance? (- past statistics are showing reduced number of claims and more and more new players in this field are coming and taking market share; - are those less technical players representing a new trend for this market?)
- Is risk changing with new emerging countries such as India and China?
- What do corporate insurance buyers look for when selecting an insurer?

**Leader**        **Stephen Riley**, Chairman of the IUA (Int. Underwriting Association - London)  
**Philippe Cotelle**, Head of EADS Astrium Insurance and Risk Mngt  
**Peter Elson**, Partner, Aerospace, JLT Specialty Limited  
**Nicholas Hughes**, Partner, BLG  
**Kjell Karlsen**, President, Sea Launch (TBC)  
**Chris Kunstadter**, Senior VP, XL Insurance  
**Pascal Lecointe**, Space Underwriter, Hiscox  
**Yamin Mustafa**, Managing Director, Marsh  
**Vic Pino**, Senior Partner, Pino & Associates  
**Russell Sawyer**, Executive Director, Willis Inspace  
**Philippe Slack**, VP & CFO, ILS  
**Alexander Timofeev**, Malakut Constellation  
**David Wade**, underwriter, Atrium Space

*questions and answers on Insurance session*

#### 11:45-12:45 Roundtable

**Leader**        **Richard Hollingham**, Science & Space journalist  
**Peter Elson**, Partner, Aerospace, JLT Specialty Limited  
**Shu Lu**, Assistant general Manager, PICC  
**Stephen Riley**, Chairman of the IUA (Int. Underw. Assoc. - London)  
**Walter Stahel**, V. Secretary General and Director of Risk Mngt Research, The Geneva Association

**12:45**        **Closing by Benito Pagnanelli**, President, PRS Ltd

**13:00**        **Farewell Cocktail**

**END OF CONFERENCE**