

Session Program

23–27 Jun 2014

**International Symposium on Uranium Raw Material for the
Nuclear Fuel Cycle: Exploration, Mining, Production,
Supply and Demand, Economics and Environmental Issues
- IAEA CN-216**

Thorium and rare-earth element-associated resources

Vienna, VIC
Vienna International Centre, Vienna

Thursday 26 June

09:00

Thorium and rare-earth element-associated resources

Session | **Location:** Vienna, VIC, M1, Vienna International Centre, Vienna | **Conveners:**
Mr Bradley Van Gosen, Prof. Roberto C. Villas-Bôas

09:00–09:25 **Thorium: Geology, occurrence, deposits and resources**

Speaker

Dr Fritz Barthel

09:25–09:50 **Thorium recovery as a co-product of processing rare earth element deposits**

Speaker

Mr Bradley Van Gosen

09:50–10:15 **Thorium as a new commodity: Th resources in Brazil**

Speaker

Prof. Roberto VILLAS-BÔAS

10:15–10:40 **Separation of rare earths from uranium and thorium**

Speaker

Mr Damien Krebs

10:40–11:10 **Coffee break**

11:10–11:35 **Thorium and uranium separation from Rare Earth complex minerals in Turkey**

Speaker

Dr Resat Uzmen

11:35–12:00

Creating a multi-national development platform: Thorium energy and rare earth value chain

Speaker

Mr James Kennedy

12:00