



## Rapid and Reliable Mineralogy using Spectral Geology and aiSIRIS

Dr. Sasha Pontual,  
Managing Director AusSpec International  
20 Eylül 2017, 8.30-17.00  
Limak Ambassadors Hotel, Ankara

Değerli üyeler,

MJD Akademi AusSpec yetkilisi Dr. Sasha Pontual ile 20 Eylül 2017 tarihinde uzaktan algılama teknikleri olan Spectral Geology konusunda ve aiSIRIS yöntemini açıklayan bir seminer düzenleyecektir..

Seminerde ele alınacak konular ve seminer ücreti ile ilgili bilgiler aşağıda ve ekte sunulmuştur.

Seminere katılanlara seminer sonunda katılım belgesi verilecektir.

Organizasyonun yapılabilmesi için seminerin yapılacağı otele katılımcı sayısının bildirilmesi gerekmektedir. Bu nedenle şirketlerden ya da kişisel başvurulardan seminere katılım için kişi sayısının 8 Eylül 2017 tarihine kadar Maden Jeologları Derneği'mize bildirilmesi gerekmektedir.

Gereğini bilgilerinize sunarız.

Saygılarımızla,

MJD Eğitim Komisyonu

**KATILIM ÜCRETİ:** ücreti MJD üyeleri için 1200 TL/kişi, MJD Üyesi olmayan kişiler için 1500 TL/kişidir.

### KAYIT PROSEDÜRÜ:

1. MJD BAĞIŞ Banka hesabına ücret “ **bağış**” şeklinde yatırılmalı, Banka dekontu üzerine aşağıdaki belirtilen açıklama yer almalıdır. Alıcı ismine “**Maden Jeologları Derneği**”, açıklamasına ise **katılacak kişi(ler)in "İsim Soyisim-Firma / MJD2017 Bağış"** yazılmalıdır. .
2. Dekont iletisim@mjd.org.tr adresine email olarak atılmalıdır.
3. Tarafınıza MJD tarafından email ile geri dönüş yapılacaktır.

### MJD Banka Hesap Bilgisi:

**Alıcı:** Maden Jeologları Derneği

Yapı Kredi Bankası Ankara Kuğulupark Şubesi Sube Kodu: 290

**TL Hesap No:** 50510861 IBAN No: TR08 0006 7010 0000 0050 5108 61

**SON Kayıt Bildirim Tarihi: 8 Eylül 2017**

### BİLGİ VE İLETİŞİM:

**Eposta:** iletisim@mjd.org.tr Tel: 0312.428-7654

**Not:** MJD Seminer programı ile ilgili değişiklik hakkını gizli tutar.



## Rapid and Reliable Mineralogy using Spectral Geology and aiSIRIS

**Dr Sasha Pontual,  
Managing Director AusSpec International  
20<sup>th</sup> September, 8.30am-5pm  
Limak Ambassadors Hotel, Ankara**

### Introduction

This seminar is designed to provide geologists and geochemists of all levels of experience and seniority with a comprehensive understanding of the applications of spectral geology in mining and exploration. In particular, it should provide participants with an understanding of the value of rapid, reliable mineralogy and how to implement spectral geology in their own operations.

### Achievement

Key concepts to be discussed include:

1. Introduction to Spectral Geology: What is it and what does the data mean? Why is it useful?  
Basic theory of infrared (IR) spectral analysis, covering a full background so that all participants can understand what we are detecting in the IR data, and what information can be extracted from the spectra. Discussion of what minerals can and cannot be detected using this technology.
2. In depth Spectral Geology: What other information can we detect in the IR data and why is it important?  
Presentation on the specific mineral characteristics that can be detected in the spectral data and how we can detect variations in different mineral groups. Discussion of why these are important for analysis of alteration in different alteration systems.
3. How to collect the best spectra: Tips and recommendations.  
A discussion of the key factors for collecting good quality spectra and how to set up a good measurement workflow. Suitable for all hand held spectrometers including TerraSpec, oreXpress and the PSseries.
4. The aiSIRIS interpretation solution: Accurate data, better decisions.  
A discussion of the new aiSIRIS interpretation system and why it is important for the take up of spectral geology in the industry. What the aiSIRIS results mean and how to use the data in a practical way.
5. Case study examples: Typical problems and their solutions. Examples of successful application of spectral geology and the aiSIRIS outputs to exploration and mining.

### Speaker Bio -

Dr Sasha Pontual, a leading expert in spectral geology, is the MD and founder of AusSpec, a spectral geology solutions company founded in 1992. AusSpec has developed and sells the aiSIRIS cloud-based spectral interpretation solution to minex companies that want to use hand-held spectrometer data as an input into their alteration modelling. An increasing number of companies are adopting the system across their operations because of the game-changing effect of having fast, standardised, and accurate mineralogical data. AiSIRIS is the realisation of Sasha's desire to make spectral geology accessible to all geoscientists and embodies 25+ years of experience providing field-based mineral analysis services to the industry. Sasha was one of the first independent consultants working in providing spectral analysis services to the minex industry globally. In the last 25 years, she has created and delivered numerous training workshops to the industry, to most of the major companies, and has played an important part in the industry take up of the technology.



### **Course Schedule**

The course will be held on **20th September, 2017 between 8:30 pm-5:00 pm** in Limak Ambassadors Hotel in Ankara.

Address: Gaziosmanpaşa Mahallesi, Boğaz Sk. No:19, 06700 Çankaya/Ankara

Telephone: (0312) 428 48 48

Tea and coffee breaks, 10am and 3pm, and lunch 12.30-1.30.

### **Course Language**

English (Simultaneous translation will not be available)

### **Course Level**

The course is suitable for all levels of experience.

### **Course Fee**

1.200 TL for MJD / TAEG members.

1.500 TL for non-MJD / non TAEG members

### **Course Capacity**

Course is limited to 25 participants

### **Registration, Information and Contact**

Please contact with MJD-TAEG Office (Ms Nihal Atmaca) for registration and details.

iletisim@mjd.org.tr

Tel: 0312.428-7654