



**Mining, Geological and
Petroleum Engineering
Branch**



**JORDAN ENGINEERS
ASSOCIATION**

مؤتمر التعدين الأردني الدولي السادس

**THE 6th JORDANIAN INTERNATIONAL MINING
CONFERENCE**

Utilization of Natural Resources - Present Status & Future Prospects

**1-3 November 2011
Landmark Hotel - Amman**

Conference Program

Organized by

Jordan Engineers Association/

Mining, Geological and Petroleum Engineering Branch

Amman – Jordan

Day one - Tuesday, 1st November 2011
Royal Hall

	INAUGURATION
08:00-10:00	Reception and Registration
10:00 - 10:30	Opening Ceremony Chairman of Organizing Committee Head of Mining, Geological and Petroleum Engineering Branch Chairman of Jordan Engineers Association Patron speech
10:30-11:00	Exhibition Opening and Welcome Coffee Break

Keynote Speech 1: Dr Jeremy Boak, Director, Center for Oil Shale Technology and Research, Colorado School of Mines, USA
The Place of Jordanian Oil Shale Development in the Global Progress of the Oil Shale Industry
11:00 – 11:40 Royal Hall

Chairman: Dr Jamal Alali (APCO for Oil Shale co)

Co-Chairman: Dr Feras Fraige

Royal Hall
Session 1 Energy /Oil Shale

	Chairman: Dr Jeremy Boak COSTR - USA	Co-Chairman: Dr Abdelaziz Khlaifat UAE
11:40	Geochemistry and environmental impacts of retorted oil shale from Jordan Dr Khalil Ibrahim and Dr Jamal O. Jaber, Hashemite University, and Al-Balqa' Applied University, Jordan	
12:00	Enefit's oil shale development projects in Jordan Erkki Kaisla, Mining Development Manager, Enefit, Estonia,	
12:20	Investigation on Bituminous Dolomitic Limestone (Oil Shale) Horizon from Wadi Al-Bustan, Southern Jordan. Dr Hani AlNawafeleh and Dr Khalid Tarawneh - Al Hussein Ben Talal University, Jordan	
12:40	New Oil Shale Occurrences In Jibal Ghuzayma Area Geol. Ali Ghannam - Natural Resources Authority, Jordan	
	13:00-13:20 Coffee Break	
	Session 2 Energy / Oil and Gas	
	Chairman: H.E. Dr Musa Alzyoud NRA - Jordan	Co-Chairman: Dr Abdelruhman Qteishat NPC - Jordan
13:20	Taking up unconventional challenge is a game changer in oil and gas industry.	

	Abdelaziz Khlaifat, Hani Qutob, Naiem Barakat, Hocine Harhad, El Mahdi Yettou and Amine Mazouzi, Weatherford Oil Tool Middle East, Dubai, Weatherford, Kuwait, Sonatrach, Algeria
13:40	Synergetic CO₂ Storage and gas/oil production from tight reservoirs. Dr Mohammed Amro, Dr Frieder Haefner- Technical University Bergakademie Freiberg, Germany
14:00	Oil Opportunities in Jordan. Mr Zuhair Sadiq, Dijla Energy Services and Trading- Jordan
14:20	Production History of Risha Field. Geol. Mohammad Seaideen National Petroleum Company, Jordan
14:40	مستقبل النفط وتحدياته في الشرق الأوسط " احصائيات الطاقة مازن خليفة، دائرة الاحصاءات العامة - Jordan

15:00-16:00	LUNCH
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Day Two - Wednesday, 2nd November 2011
Rum Hall

Keynote Speech 2: Mr Phil Naughton, Major Projects Director, Leighton Mining, Australia
Professional Relationship Mining
9:00 – 9:40 Rum Hall

Chairman: Eng Jafar Khair (Habtoor Leighton Group)

Co-Chairman: Dr. Muwafaq Al-Zoubi

Day Two		Rum Hall	
	Session-3 Mining		
	Chairman: Dr Abdelfattah Abu Hassan JPMC - Jordan	Co-Chairman: Dr. Muwafaq Al-Zoubi Jordan	
	Determination of Trace Elements Concentration in Mine Water and Trace Elements Index (TEI)		
9:40	in Some Coal Mines of Jharia Coalfield, Prof. D.P.Tripathy, India		
10:00	Why Do Oil and Mineral Resources continue to be Mixed Blessings in the Middle East and North Africa (MENA) Region? Dr Rami Al-Rawashdeh, and Dr Hani Al-Nawafleh - Al Hussein Ben Talal University, Jordan		
10:20	Project Planning and Scheduling Using Pronet Prof. D.P.Tripathy, India		
10:40	اللاءات الثلاث في صناعة التعدين وأسس التطبيق الدكتور عبدالفتاح أبو بكر، استشاري/ مركز تطوير الإدارة والإنتاجية، أستاذ في جامعة دمشق		
	11:00-11:20 Coffee Break		
	Session- 4 Mining Geology and Exploration		
	Chairman: Mr Phil Naughton Leighton Mining - Australia	Co-Chairman: Mr Emad Fakhouri Jordan	
11:20	Shocked Minerals and Lithics from Jebel Waqf as Suwwan Impact Structure Prof. Hani Khoury and Prof. Elias Salameh, University of Jordan		
11:40	رمال منطقة رأس النقب الاردنية و امكانية استغلالها في الصناعات الزجاجية والمواد المرشحة أ.د. عصام صالح جلهم، م. عمر الطاهات، م. ايمان الضرابعة، الجامعة الاردنية، سلطة المصادر الطبيعية		
12:00	Characterization of the ferruginous sandstone in Batn Al Ghul area/south Jordan Dr Khalid Tarawneh, H. Alnawafleh, M. Harahsheh, S. Shreideh, N. Radaideh, Kh. Moumani, B. Tarawneh, M. Abdelghafoor,		
12:20	Bentonite Deposits of Omm Ali Area (River Nile State). Gizouli Ahmed Hamid, Ministry of Minerals, Geological Research Authority of Sudan		
12:40	Geochemical Exploration for Gold & Associated Elements, In the J. Moya Area, Sennar State – South Sudan Daffalla, O.A., Abdrahman, S.M. and Salih, Ministry of Minerals, South Sudan		
	13:00 -13:20 Coffee Break		

	Session- 5 Mining Geology and Exploration	
	<i>Chairman: Dr Abdelfattah Abu Baker Mining Consultant - Syria</i>	<i>Co-Chairman: Eng Jalal Khreisat Jordan</i>
13:20	Influence of geological information density on the training quality of neural networks as forecast model Dr Veselin Hristov, Dr Stanislav Topalov, University of Mining and Geology, Bulgaria	
13:40	Evaluation of Zircon Minerals in South Jordan Ms Zein Smadi, Dr Ahmad Al-Malabeh, Dr Jamal Alali, Dr Khitam Alzughoul, Hashemite University, Jordan	
14:00	Ed El Fursan Banded Iron Formation (Bif), Its Relation with Kass Massive Sulphides, And the Regional Hydrothermal Budget, South Darfur State, Sudan Mohmed Ali, NW., El Sammani, Y., Abdel Rahman, EM., Abdel Bagi, M, El Faki, EM, Ministry of Minerals, Sudan	
14:20	Exploration, Evaluation and Investment Opportunities of Feldspar Ore Deposits in Jordan. Eng. Osama Shakkour, Dr Khalid Tarawneh, Natural Resources Authority, Jordan	
14:40	تقييم خامات الحجر الجيري في مناطق غرب الحسا/ جنوب الأردن للاستخدامات الصناعية المختلفة. جيولوجي: علي غنام، جيولوجي: لطفي أبو سعد/ سلطة المصادر الطبيعية، الاردن	

15:00-16:00	LUNCH
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Day Two - Wednesday, 2nd November 2011
(Parallel - Sessions) Petra Hall

Session- 6 Mineral Processing	
	<div>Chairman: Dr Issa Oweis Private Consultation - Jordan</div> <div>Co-Chairman: Dr Hani Alnawafleh Jordan</div>
11:20	Hydro tropes as promoters in soap flotation Abubakar khadri, Vijay Kumar.P, Yasser Dassin, Prabhulingaiah., G, Sekhar DMR, JPMC, Jordan
11:40	E-waste separation using mechanical vibration. Dr. Feras Fraige, Laila Al-Khatib, Hani Al-nawafleh, Mohammad Dweirj, Al Hussein Ben Talal University
12:00	Development of flotation scheme for fine Jordanian phosphate: physical and chemical evaluation & Froth flotation Eng. Emad Momani, JPMC, Jordan
12:20	تنقية الكاولين من الحديد بواسطة الفصل الفيزيائي والمغناطيسي الجاف والرطب م. ابراهيم الرواشدة، م. دينا الريان، م. تغريد المجالي، شركة مناجم الفوسفات، الاردن
12:40	معالجة وتركيز خامات الفلدسبار لاستخدامه صناعيا م.محمد الابطح، م.عمر الطاهات، م.رشا دوابشة/ سلطة المصادر الطبيعية/ الاردن
13:00 -13:20 Coffee Break	
Session- 7 Mineral Processing & Mining Geology	
	<div>Chairman: Eng Ahmad Mubaideen Private Consultation - Jordan</div> <div>Co-Chairman: Eng Sulaiman Al Khateeb Jordan</div>
13:20	Solvent Extraction Properties of New Thiophene Based Trifluoromethyl-Substituted b-Diketones for Uranium (VI) and Thorium (IV) Ions. Prof. Samir Tawiel, Fawwaz Khalili, Elham Al-Qudah, Salah A. Al-Tarawneh, Mutah University
13:40	Deposits of Uranium in Serbia and possibility of "In-situ" Leaching Prof. Zoran , etkovic, Prof. dr Nadezda Cali, Dr Issa Owais, Serbia
14:00	Surface modification and characterization of Jordanian kaolinite: Application for lead removal from aqueous solutions Dr Mohammad Al-Harabsheh, Reyad Shawabkeh, Adnan Al-Harabsheh, Khalid Tarawneh, Marwan M. Batiha, Al Hussein Ben Talal University
14:20	Metallogeny of the Cratonized Terranes Adjacent To Green Stone Belts, Examples; Alaikalib, Mazroub, Sodari And Um Badir, West Of Sudan Nasreldin Wadelnour, Mohamed Ali, Sudan
14:40	تقييم وأستغلال خام الرخام في السودان أمينة مبارك محمد الحاج

15:00-16:00	LUNCH
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Day Three - Thursday, 3rd November 2011
Rum Hall

**Keynote Speech 3: Dr Abdelaziz Weshah, Water and Environment Expert,
Al Shamil Engineering Office**
مياه الوطن العربي وتحدياتها

9:00– 9:40 Rum Hall

Chairman: Dr Bassam Fakhouri (CMI-Jordan)

Co-Chairman: Eng lead El Hajebi

Day Three	Rum Hall	
	Session- 8 Water	
	Chairman: Dr Abdulaziz Weshah Al Shamil Engineering - Jordan	Co-Chairman: Eng Saleh Al-Qawasmeh Jordan
9:40	Eye on niche modern technology of wastewater and recycling systems for (LS3) life supporting, sustaining and saving for scarce water countries. Dr Suhail Wahsheh, Water and Environmental Consultant	
10:00	تأثيرات المشاريع الصناعية والتنمية المختلفة في الاردن على مصادر المياه الجوفية كما ونوعا المهندس محمد رضوان المومني، مستشار، وزارة المياه والري	
10:20	الادارة المتكاملة للموارد المائية في الاردن بين النظرية والتطبيق الدكتور رضوان عبدالله الوشاح، خبير مائي دولي، الجامعة الاردنية	
10:40	Climate Change Effect on Water Resources Eng. Bassam moh'd Al-Qaisi, Water Authority, Jordan	
11:00	Water situation in Jordan Eng. Ali Subah, Secretary General Assistant, Ministry of Water and Irrigation, Jordan	
11:20	Water resources protection plan for Zara-Maeen-Mujib project watershed. Geo. Abbas Kalbouneh, Bio. R. Bani Khalaf, Eng. A. Ulaimat, A. Abu Hejleh, Water Authority, CDM, Jordan	
	11:40-12:00 Coffee Break	
	Session- 9 Environment	
	Chairman: Dr. Khaled Tarawneh Al Hussien University - Jordan	Co-Chairman: Eng Zuhair Rabba' Jordan
12:00	Fly ash from lignite combustion in northern Greece: environmental problems and utilization potential Prof. Iordanidis Andreas, Technological Educational Institute of Western Macedonia, Greece	
12:20	تقييم الأثر البيئي لمشاريع التعدين	

	د. عبد العزيز وشاح، مستشار، مكتب الشامل ، الاردن	
12:40	Environmental effects of the open cast mining operations at Sammad urban areas near to limestone quarries. Dr. Awwad H. Altit, Mining Directorate, Natural Resources Authority, Jordan	
	13:00 -13:20 Coffee Break	
	Session - ١٠ Engineering Geology	
	Prof. Yousef Masannat Jordan University - Jordan	Co-Chairman: Eng. Ali Nasser Jordan
13:20	Site Investigation for the Salt Dikes and on shoreline Stability Study (Safi Solar Pond) Dr Mohammad Abu Hassan, and Sawsan Abdullah, Arab Center for Engineering Studies, Jordan	
13:40	دراسة جيولوجية وهندسية للرمل والحجر الرملي في منطقة عمان م. جمال ابو قبع ، الجيولوجي لطفي ابو سعد، م. محمود عزام، سلطة المصادر الطبيعية، الاردن	
14:00	Quality Control and Failure of Some Concrete Structures Related to Soil Problems In Jordan Dr Nafeth A. Abdel Hadi, Ali Naser, Khalid Tarawneh, Balqa Applied University, Jordan	
14:20	Geotechnical Evaluation of Limestone Occurrences in the Jonggrangan Area - Kulonprogo, Yogyakarta Province - INDONESIA Eng. Badri Mohammed, Geological Research Authority of the Sudan	

	CLOSING SESSION/ Rum Hall
14.40 – 15.١0	Chairman: Eng Abdullah Obiedat, Dr Jamal Alali, Eng Sameer El Shaikh

15:١0-16:00	LUNCH
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Day Four	Friday 4th November 2011
4/11/2011	Field Trip (Paid) Visit to the Dead Sea or Umm Qais