6th International Conference

SDIMI 2013
SUSTAINABLE DEVELOPMENT IN THE MINERALS INDUSTRY

Milos Conferences
30 June - 3 July 2013, Milos Island, Greece
Milos Conference Center - George Eliopoulos

http://sdimi2013.conferences.gr
We provide industrial solutions globally, by developing and transforming natural resources into value creating products.

S&B is a global diversified minerals and materials group, with mines, processing facilities and distribution centers in 21 countries and sales in 84 countries worldwide.

S&B utilizes the multiple properties of industrial minerals to offer a portfolio of customized solutions across a broad range of industry applications in metallurgy, foundry, construction, plastics and various specialty niche sectors.
The objective of this Conference is to assist the minerals industries in their global transition to sustainable development.

At present, the focus of public perception is placed on environmental and social consequences of mining. Growing environmental and social concerns, supply chain procurement standards, as well as public pressure and regulatory measures, will profoundly shape the global mineral business in the near future.

In order to cope with these challenges, the minerals community must integrate sustainable development concepts, best-practices and stakeholders participation into the technical considerations, business strategies and performance goals that are associated with all facets of mineral exploitation, from exploration to mine closure.

The main theme of the meeting, therefore, is the development, monitoring and assessment of sustainable development criteria for mineral operations.

The Conference also aims to conclude with a consensus plan and a process, representing a variety of stakeholders, which can provide guidance and direction to the minerals community on the path to sustainable development.

Aim
UNDER THE AUSPICES OF

MINISTRY OF ENVIRONMENT, ENERGY & CLIMATE CHANGE

Municipality of Milos

Society for Mining, Metallurgy & Exploration

Society of Mining Professors

Greek Mining Enterprises Association

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The Conference is jointly organized by:

• Virginia Tech, USA
• Technical University of Crete, Greece
• Aachen University of Technology (RWTH), Germany
• University of British Columbia, Canada

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MILOS CONFERENCE CENTER HALLS LAYOUT

Main Hall – Ground Floor
- A0. Reception Hall
- A1. Main Hall
- A2. Secondary Hall
- A1a. Stage
- O. Offices

Main Hall – Balcony
- E. Balcony
- I. Translation Booths
- C. Central Control Panel
- P. Press Room
- Po. Poster Space

Euripides Mavrommatis Wing
- B1. Multipurpose Hall
- B2. Multipurpose Hall
- K. Catering
- N. Internet Room
- W1. WC
- W2. WC Disabled
- D. Infirmary
- B3. Multipurpose Hall
**Programme**

**SUNDAY 30 JUNE, 2013**

09:00-18:00:  **Boat tour of the island** (weather permitting)
18:30-20:30:  **Registration & Welcome Reception, Room: Lobby Area**

**MONDAY 1 JULY, 2013**

08:30-09:00:  **Registration, Room: Lobby Area**

09:00-09:15:  **Welcome and Conference Opening, Room: A1**  
*Chair(s):* Zach Agioutantis and Michael Karmis

09:15-11:00:  **Keynote Session, Room: A1**  
*Chair(s):* Zach Agioutantis and Michael Karmis  
**Keynote Lectures by Spiliopoulou, M., Hodge, T., Vidalis, E., Faidros, E.**

11:00-11:30:  **Coffee Break, Room: B1**

11:30-13:00:  **Sustainability in Minerals Education A, Room: A1**  
*Chair(s):* Deborah Shields  
1. Mining and SD: implementation of undergraduate and graduate courses at four universities  
   van Zyl, D., T. Iannachioni, J. Craynon and E. Sarver
2. Building minerals education capacity in Africa - The first steps  
   Laurence, D. and M. Hermanus
3. The next generation of mineral industry professionals - Industry expectations and how best to train them  
   Jeffrey, K.
4. Assessing the familiarity of students in engineering with sustainability  
   Aktsoglou, D., K. Angelakoglou and G. Gaidajis
5. Challenges of promoting sustainability in the Namibian minerals education  
   Musiyarira, H., D. Tesh and G. Dzinomwa

11:30-13:00:  **Technological Developments A, Room: A2**  
*Chair(s):* Lee Daniels  
1. Deep zero-impact mines of the future - The European I2Mine-Project  
   Falck W.E. and H. Hejny
2. Near-to-face processing - An approach towards improved primary resource efficiency  
   Dammers, M., C. Schropp, P.N. Martens, L. Rattmann and C. Robben
3. Some principles of expert systems for environment and mining  
   Rumenjak, D., D. Rajkovic and S. Stambuk
4. Evaluation of unfolding techniques for grade and resource estimation of tectonically deformed deposits  
   Kapageridis, I.K., K. Koios and N. Ioannidis
5. New philosophy of coal extraction  
   Bondarenko, V.
11:30-13:00:  Social Contributions and Local Communities A, Room: B3

Chair(s): Fiona Haslam Mckenzie

1. Beyond science and engineering: Tackling socio-environmental issues in the resources industry

2. Using a Due Diligence approach to managing business environment performance health
   Baker, P.

3. Financial assurance for mine reclamation: An examination of Alberta’s oil sands regulations
   Thorley, U.

4. The role of science in public ecology and sustainable development in mining
   Craynon, J.R., E.A. Sarver and M.E. Karmis

5. The WBCSD cement sustainability initiative and the leadership of TITAN cement: An important
   opportunity and a long-term commitment
   Alexiou, M., A. Katsiamboulas, J. Mastoris, C. Seretis and F. Tasoulas

13:00-14:00:  Lunch, Room: B1

14:00-15:45:  Capacity Building and Human Resources, Room: A1

Chair(s): David Laurence

1. Wellbeing of fly-in/fly-out and drive-in/drive-out employees: Evidence from Australia
   Tuck, J. and E.C. Temple

2. Involving stakeholders in a meaningful way in decision making on mine sites - The strategies of the
   EO-Miners research project
   Falck, W.E. and J.H. Spangenberg

3. Titan Antea cement plant: Education for sustainable development in the case of a Greenfield plant, in an
   emerging economy (Albania)
   Alexiou, M., A. Kalogerakos, C. Caracostas and J. Mastoris

4. Oil development and social acceptance in Greece: The Katakolo field case
   Vergoulis, P. and D. Damigos

5. IdleNoMore and reinvigorated aboriginal activism: Risk or opportunity for Canada’s extractive sector
   Johnson, A.

6. A multi-dimensional and dynamic view of corporate social responsibility
   Zu, B., Z. Li, Y. Zhao and C. Li

14:00-15:45:  Technological Developments B, Room: A2

Chair(s): Christos Roumpos

1. Development of a decision support instrument of mine-wide operations for Agnico Eagle Kittila mine
   Song, Z., M. Rinne and A. van Wageningen

2. “Blue Mining” - The future of mining
   Langefeld, O. and M. Kellner

3. Challenges in deep mine rescue within the European I Mine Project
   Lehnen, F., P.N. Martens and L. Rattmann

4. Orogenic mineralizations - A new exploration target for gold-polymetallic ore deposits in Greece
   Michael, C., N. Arvanitidis, A. Iliadis, K. Papavasileiou and C. Christidis

5. Underground coal gasification: A case study on the Kozani lignite deposits
   Koukouzas, N. and I. Katsimpari
14:00-15:45: Health and Safety, and Risk Management, Room: B3  
Chair(s): Bruce Hebblewhite  
1. Greater site and community security through partnerships  
   Hendry, K.  
2. Water resources management, risk assessment, and mitigation: A 5-year program for Titan Cement in Zlatna Panega Plant, Bulgaria  
   Dragasakis, K., J. Mastoris, E. Shilegarska, A. Pophristova and M. Dimitrov  
3. Transfer for good: Requisites of Southeast Asian coal mining industries in applying a risk management system from Germany  
   Kretschmann, J. and N. Nguyen  
4. Production data and Sustainable Development Indicators (SDIs) for the Greek mining/metallurgical industry in the period 2007-2011  
   Tzeferis, P.G., C. Kavalopoulos and K. Komnitsas  
5. Occupational health & safety management at PPC’s lignite mines  
   N. Galitis, A. Dimitriou and Th. Vlachos  

15:45-16:15: Coffee Break, Room: B1  

16:15-17:45: Technological Developments C, Room: A1  
Chair(s): Bern Klein  
1. Evaluation of micro-bubble flotation for treating ultra-fine particles and improvement by applying ultrasonic irradiation  
   Owada, S., E. Matsunaga and N. Kuroki  
2. Use of biosolids and its main component as frothers and collectors for the concentration of copper sulphide ores  
3. Marine Aggregates deposits - MARE project  
   Stamatakis, M., S. Poulos, A. Tsoutsia, N. Papavlassopoulou, A. Karditsa, M. Anastasatou, A. Velegrakis, T. Hasiotis, V. Kapsimalis and G. Roussakis  
4. Applications of geothermal energy in mineral processing  
   Fytikas, M. and N. Andritsos  
5. Sustainable use of resources into fired clay bricks  
   Samaras, P., V. Karayannis, X. Spiliotis, K. Ntampeglatis and G. Papapolymerou  

16:15-17:45: Sustainable Mining Practices A, Room: A2  
Chair(s): Dirk Van Zyl  
1. The importance of confining strata integrity in mining, coal seam gas extraction and geological storage of industrial waste (CO2 and nuclear): towards early detection indicators of potential groundwater contamination  
   Bouzalakos, S. and W.A. Timms  
2. Indicators of reclamation success for mineral sands mining in the USA  
   Daniels, W.L. and Z.W. Orndorff  
3. A model for stakeholder engagement in mineral exploration in Finland  
   Eerola, T.  
4. Assessing the progress of mining industry towards sustainability: In need of new methodological frameworks  
   Angelakoglou, K. and G. Gaidajis  
5. Dealing with controversies over gold mining projects: A case study from Greece  
   Damigos, D., M. Menegaki and D. Kaliampakos
16:15-17:45: Social Contributions and Local Communities B, Room: B3
Chair(s): Phil Baker
1. Industry diversification in remote Western Australia: Managing community expectations and planning for enduring value
   Haslam McKenzie, F.
2. Corporate social responsibility and the future of mining in Greece
   Kolovos C.J.
3. Supporting mining community development through economic diversification: The adoption of Enterprise Facilitation (EF)TM in Cobar, Australia
   McFaul, S., N. Mafu and A.M. Xavier
4. Stakeholder engagement of mineral exploration companies in Finland
   Ziessler, S., T. Eerola and M. Tussjarvi
5. Socio-economic mine closure (SEMC) guideline: A management tool for addressing the social and economic challenges of mine closure and to contribute to community sustainable development
   Xavier, A.M., M.M. Viegas and D. van Zyl
6. The economic impact of mining activity on Milos Island
   Tserkezis, L. and A. Tsakanikas

20:00-22:00: Banquet

TUESDAY 2 JULY, 2013

08:00-17:00: Registration, Room: Lobby Area

09:00-10:30: SNAP-SEE, Room: A1
Chair(s): Gian Andrea Blengini
1. Data and methodologies for a resource-efficient planning of primary and secondary aggregates in South East Europe (SEE) countries
   Blengini, G.A., A. Moltrer, M. Valbusa, K. Komnitsas, Z. Agioutantis and E. Garbarino
2. Sustainable aggregate resources management and planning issues in south east Europe: From SARMa to SNAP-SEE project
   Hatzilazaridou, K., F. Chalkiopoulou and D. Shields
3. Stakeholder identification in the planning phase of aggregate and quarrying projects
   Komnitsas, K., Z. Agioutantis, D. Shields, G.A. Blengini and P.G. Tzeferis
4. Sustainable aggregates planning in South East Europe
   Tiess, G. and D.J. Shields
5. Stakeholder involvement as a key factor for sustainable aggregates planning and management
   Dolinar, U. and Z. Kazinc
6. The potential and perspectives to promote and develop policies in order to achieve sustainable aggregates planning in Greece (SNAP-Greece)
   Chalkiopoulou, F., K. Hatzilizaridou, N. Arvanitidis, P.G. Tzeferis, K. Alexiou and G. Tiess

09:00-10:30: Environmental Conservation and Climate Change B, Room: A2
Chair(s): John Craynon
1. Mining and climate change mitigation via the Clean Development Mechanism
   Taplin, R., M. Blommerde, N. Uddin and D. Laurence
2. Reducing the environmental footprint in the industrial mineral sector: Case studies and industry innovation initiatives
   Shtiza, A., R. Doone and M. Wyart
09:00-10:30: Environmental Conservation and Climate Change B, Room: A2 [Continued]
3. Coal quality control techniques and selective grinding as means to reduce CO2 emissions
   Vamvakia, D., M. Galetakis and C. Roumpos
4. Biodiversity Programme in two quarries in the Volos area
   Assimakopoulos, K.
5. Titan Patras cement plant: Biodiversity study for the Artimes limestone quarry
   Papanikolaou, I. G. Iatrou, M. Panitsa, N. Papageorgiou and A. Katsiamboulas

09:00-10:30: Technological Developments D, Room: B3
Chair(s): George Gaidajis
1. Triboelectric belt separator for beneficiation of fine minerals
   Bittner, J.D., S.A. Gasiorowski, F.J. Hrach, L.A. Canellopoulos and H. Guicherd
2. Mineralogical composition of the Olympias tailings in NE Chalkidiki, N. Greece
   Zaimis, S., M. Vavelidis, V. Melfos, N. Kantiranis, D. Alifragakis and M. Daftsis
3. Assessment of environmental impact of surface mining equipment
   Lashgari, A. and V. Kecojevic
4. Chromium stabilization in tannery sludge using phosphogypsum
   Zouboulis, A., E. Pantazopoulou, O. Zebiliadou, F. Noli, M. Mitrakas and P. Samaras
5. Backfilling technologies for Estonian oil shale mines
   Valgma, I., M. Kolats, A. Anepaio, V. Vaizene, M. Saarnak and J.-R. Pastarus

10:30-11:00: Coffee Break, Room: B1

11:00-12:30: WFEO Technical Presentations, Room: A1
Chair(s): Nikhil Trivedi
1. WFEO-CEE Task Group on Sustainability and Mining
   Trivedi, N.
2. A methodology to integrate sustainable development performance in the mine design and planning process: A case study
   Botin, J.A. (presented by D. Shields)
3. WFEO Task Force: Environmentally sound engineering technologies and practices in mining
   van Zyl, D., M. Chanda and J. Brune
4. Some examples of reuse, repurposing and recycling of minerals to improve the resource efficiency in mining
   Kojo, I.V., M.A. Reuter and K. Heiskanen
5. A framework of toolbox for risk management in the minerals sector
   Z. Li, G. Lyu, T. Li, Y. Zhao and C. Li
6. WFEO Thematic Area 3 - Best practices in Eco-efficient use of resources
   Moran, C.

12:30-14:00: Lunch, Room: B1

14:00-15:30: Alternative Perspectives on Mining and Sustainable Development, Room: A1
Chair(s): John Hayden
Panel Participants: Danyluk, D., Kogel, J., Karmis, M.

14:00-15:30: Sustainable Energy and Land Use, Room: A2
Chair(s): Oliver Langefeld
1. The energy transition in Germany - Coping with the third industrial revolution
   Zwinge M.
2. Is there any future for EU Energy Road Map 2050?
   Leonardos, M.
14:00-15:30: **Sustainable Energy and Land Use, Room: A2** [Continued]

3. Application of an indicators-based tool for the evaluation of alternatives for sustainable mining/mineral processing operations in NATURA 2000 and other protected areas
   Marnika, E. and E. Christodoulou and A. Xenidis

4. Mining waste management of Estonian mineral resources
   Kuru, V., J. Gulevits, T. Rahe, R. Roots, R. Iskul and A. Polder

5. Sustainable reclamation scheme for bauxite mines by implementing GIS tools
   Argyriou, A., A. Adam, D. Papakonstantinou and K. Cassios

14:00-15:30: **Environmental Conservation and Climate Change A, Room: B3**  
Chair(s): Nikos Arvanitidis

1. The suitability for rehabilitation and the resistance to grazing of 11 plant-species in bentonite deposits in Milos Island
   Brofas G., G. Mantakas, C. Varelides, G. Petrakis

2. Installation of natural vegetation on old tailing disposal area at Olympias Halkidiki mine after chemical stabilization and phytoremediation
   Alifragkis, D., H. Voulgaridou, M. Voulgaropoulou, M. Vavelidis, M. Orfanoudakis, E. Gazea, A. Galatsianou and M. Alifragki

3. Mycorrhizal effectiveness on growth and tolerance of Nerium oleander plants, at ore disposal sites located in NE Chalkidiki
   Orfanoudakis, M., M. Alifragi and A. Pavlatou-Ve

4. Investigation of the effect of soil replacement and fertilization on the improvement of calcareous mining spoils productivity in mountain Ghiona-Central Greece
   Brofas, G., G. Mantakas, C. Varelides and C. Mermiris

5. Relocation of Soulou Trench, in PPC’s mines, Ptolemais, Greece
   Giouli, G., K. Machtis and A. Sokratidou

15:30-16:00: **Coffee Break, Room: B1**

16:00-17:30: **Posters, Room: Poster Area**

1. Greek national policy for the exploitation of mineral resources
   Greek Ministry of Environment, Energy and Climate Change (YPEKA)

2. Innovative approaches to extend the life of surface mining operations
   Siefert, M., G. Jandl, H. Wagner and H. Blaha

3. Sustainable energy planning of Greek Islands
   Agioutanti, E. and T.D. Tsoutsos

4. Improving the health protection of high north miners
   Skandfer, M., L.V. Talykova, T. Brenn, T. Nilsson and A. Vaktskjold

5. Surface water and groundwater management in West Macedonia Lignite Center
   Andreadou, S., F. Pavloudakis, C. Sachanidis and S. Tsoufidou

6. Assessing the environmental footprint of selected industrial minerals by means of life cycle inventory analysis: A sectoral study
   Shitza, A., R. Doone and M. Wyart

7. Steps forward aesthetic reclamation of mine “Rallaki” in Milos Island
   Balomenou, P., M. Lambrou, C. Cassios and S.G. Alonso

8. Conventional flotation to recovery carbon matter from coal tailings
   Gonzalez Davilla, G.B. and I.A. Schadach de Brum

9. Mining and Tourism on Milos: MILOTERRANEAN Geo Experience
   Tzintzos, S.

10. Upgrading mining waste to develop added value final products

11. Stoicism project and sustainable development in industrial minerals
    Jouffret, F., D. Moseley, M. Baricot, A. Coe, P. Chauhan and S. Moradi
16:00-17:30: **Posters, Room: Poster Area** [Continued]
12. Setting the Standard for CCUS  
   Carpenter, S.M.
13. Sustainable Mining Approach to Sangan Iron Ore Mines Project  
   Kretschmann, J., R. Amin and F. Rashidinejad
14. Material Flow Analysis and Sustainability Evaluation on resource management in Korea  
   Kim, Y.

16:00-17:30: **Sustainable Mining Practices C, Room: A1**  
*Chair(s): Vlad Kecojevic*
1. Underground limestone mines - Case histories of sustainable industrial, research and commercial use  
   Newman, D.
2. A quest for sustainability: Environmental and social aspects of mining design in Chalkidiki, Greece  
   Papagrigoriou, S., Y. Katselis and G. Tentes
3. Best practices for geotechnical planning and design in open pit mining operations - A sustainable engineering approach  
   Steiakakis, C., Z. Agioutantis, P. Schilizzi, E. Papakosta, A. Tsaidis and G. Pagonis
4. Strategic mine planning of surface mining projects incorporating sustainability concepts  
   Roumplos, C. and E. Papacosta
5. Challenges for adapting the sustainable development concept in Thailand’s minerals industry  
   Sakamornsnyuan, K., T. Katz, P.N. Martens and J. Kretschmann

16:00-17:30: **Sustainability in Minerals Education B, Room: A2**  
*Chair(s): Ingo Valgma*
1. Integration of safety and risk management into the University of Utah’s mining engineering curriculum  
   Nelson, M.G. and T.A. Hethmon
2. An assessment of environmental learning in US mining engineering schools  
   Wright, M.A.
3. Filling the gaps in sustainability management by characterising co-accountability networks  
   Kunz, N.C., C.J. Moran and T. Kastelle

18:00-20:30: **Miloterranean Geoeexperience in Coordination with Mine Site Visit**

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**WEDNESDAY 3 JULY, 2013**

08:00-17:00: **Registration, Room: Lobby Area**

09:00-10:50: **Sustainable Mining Practices B, Room: A1**  
*Chair(s): David Newman*
1. Multi-scaled, mixed-method research: An approach to understanding complex local and regional socio-economic effects of global mining operations in regional Australia  
   Hoath, A. and F. Haslam McKenzie
2. Mining in consistency with long term planning: A key element to social acceptance  
   Kolovos, C.J.
3. Heap leaching technique in mining within the context of best available techniques (BATs)  
   Zanbak, C.
4. Rare earth elements: Building a best practices roadmap to sustainable mining  
   Kamenopoulos, S.N. and Z. Agioutantis
09:00-10:50: **Sustainable Mining Practices B, Room: A1** [Continued]

5. Case studies on effective quarry rehabilitation and biodiversity management: Awarded initiatives for Titan America in the Center Sand (Florida), and Roanoke Cement (Virginia) operations
   Mastoris, J., K. Dragasakis, L. Clark and K. Folsom

6. A contribution to sustainable development in Vietnamese hard coal mining by mine dust mitigation and waste rock dump stabilization
   Martens, P.N., T. Katz, I. Ozdemir, A. Foerster and M. Fuchsenschwanz

09:00-10:50: **Technological Developments E, Room: A2**

Chair(s): Michael Stefanakis

1. GIS-based mineral resources maps - A valuable exploration tool for discovering potential ore deposits in Greece

2. Multicriteria risk analysis for the classification of closed extractive waste facilities
   Adam, A., A. Liakopoulos and Ι. Xenidis

3. The effect of fine aggregate properties on the quality of composite materials
   Fournari, R., D. Vatyliotis and I. Ioannou

4. Using 3D/4D modeling tools in exploration of gold-polymetallic potential areas in Greece

5. Possibilities for mitigating negative effects of noise and dust caused by extraction of sand, gravel and peat
   Orru, M., H. Milvek, A. Anepaio, S. Vendla and I. Valgma

6. Prediction of iron ore mine closure causes under uncertainty condition, using Vikor technique
   Minaei Mobtaker, M. and M. Osanloo

09:00-10:50: **Sustainability Reporting, Room: B3**

Chair(s): Thomas Androulakis

1. Sustainability: Is the GRI enough? 
   Mangos, N.

2. Corporate sustainability reporting for water: Water footprint, global reporting initiative and the water accounting framework
   Danoucaras, A.N., A. Woodley and S. Vink

3. A perspective on mining and corporate social responsibility projects
   Yilmaz, M.

4. ‘Milos+10’ for the Titan Cement Group Sustainability Reporting: The history of learning, the success story, and the road ahead
   Alexiou, M., J. Mastoris, C. Seretis and F. Tasoulas

5. Mining company sustainability reporting in the Macquarie and Lachlan catchments, NSW, Australia: Usability for local community needs
   Leong, S., R. Taplin, W. Timms, D. Laurence and J. Hazleton

6. CSR and Law: How they interact
   Voulgari D.

10:50-11:15: **Coffee Break, Room: B1**

11:15-12:00: **Conference Closing, Room: A1**

Chair(s): Michael Karmis, Dirk Van Zyl, Deborah Shields

12:00-13:00: **Lunch, Room: B1**
The main objective of this series of conferences is to assist the global minerals industries in their transition to sustainable development.

The first conference, SDIMI 2003, was very successfully held in the island of Milos, Greece and attracted 200 international attendees. On that occasion, the “Milos Declaration” was adopted, a statement of contribution to a sustainable future through the use of scientific, technical, educational, and research skills and knowledge in minerals extraction and utilization that was endorsed by the leading global professional and scientific organizations and institutes representing the minerals professional.

The second conference in this series, SDIMI 2005, was held in Aachen, Germany, and was again a successful forum in convening the minerals community engaged in sustainable development, with particular emphasis on sustainability indicators, data evaluation and reporting and life-cycle assessment and product stewardship.

SDIMI 2007 returned to Milos, Greece. The focus of the meeting was on issues of benchmarking, SD value creation, operationalization of SD, creation of knowledge hubs, modeling and fiscal issues and best practices and tools. The meeting provided opportunities for presentations and panel discussions. The Conference was organized in three tracks representing a variety of stakeholders, which can provide guidance and direction to the minerals community on the path to sustainable development.

SDIMI 2009 was held in Brisbane, Australia, 6-8 July. Themes included: Frameworks and tools for integrating sustainable development considerations into mine and plant design, Innovative methodologies for measuring sustainable development performance at the operational, corporate and industry level, Mining and minerals processing in a carbon-constrained world; reducing the GHG footprint, Sustainable development challenges in emerging mining countries, Community impacts and benefits of mineral resource developments, Stewardship and the management of products and wastes, Cumulative impacts of intensive resource development, Advances in life cycle and sustainability assessment, Industrial and regional synergies, Overcoming the barriers to the uptake of sustainability innovations, Integration of sustainability thinking into professional education.

SDIMI 2011 was held again in Aachen, Germany in the framework of the AIMS conference. Organization was very successful and delegates from many countries attended the event. A young professionals event attracted a lot of attention.

For more information on the SDIMI conferences please visit www.sdimi.org