HANOI UNIVERSITY OF MINING AND GEOLOGY Faculty of Economics and Business Adminitration

INTERNATIONAL CONFERENCEECONOMIC MANAGEMENT IN MINERAL ACTIVITIES - EMMA 5

ORGANIZING COMMITTEE

Chairman

Prof. Dr. Tran Thanh Hai Hanoi University of Mining and Geology (HUMG)

Co-chair

Prof. Dr. Jürgen Kretschmann Technische Hochschule Georg Agricola University,

Germany

Commissioner

Dr. Bui Thi Thu Thuy HUMG A/Prof. Nguyen Thi Hoai Nga HUMG A/Prof. Do Ngoc Anh HUMG

Dr. Nguyen Quoc Dinh Vietnam Institute of Geosciences and Minerals

Resources (VIGRM), Vietnam

Dr. Kridtaya Sakamornsnguan Department of Primary Industries and Mines,

Thailand

Dr. Nguyen Van Hai VINACOMIN

Dr. Le Nhu Linh Petro Vietnam (PVN)

Dr. Marta Sukiennik University of Science and Technology AGH,

Krakow, Poland

A/Prof. Dr. Nguyen Ngoc Khanh
Dr. Nguyen Thi Kim Ngan
HUMG
Dr. Le Minh Thong
HUMG
Dr. Dao Anh Tuan
HUMG
Dr. Vu Diep Anh
HUMG

SCIENTIFIC COMMITTEE

Chairman

Prof. Dr. Tran Thanh Hai HUMG

Deputy Chief

Dr. Bui Thi Thu Thuy HUMG

Commissioner

Prof. Dr. Jürgen Kretschmann Technische Hochschule Georg Agricola University,

Germany

Assoc. Prof. Dr. Do Huu Tung
Dr. Dang Huy Thai
HUMG
Dr. Phan Thi Thai
HUMG
Dr. Nguyen Quoc Dinh
VIGRM
Dr. Nguyen Van Hai
VINACOMIN

Dr. Le Nhu Linh PVN

Dr. Kridtaya Sakamornsnguan Department of Primary Industries and Mines,

ThaiLand

Dr. Marta Sukiennik University of Science and Technology AGH,

Krakow, Poland

SECRETARIAT

Chairman

A/Prof. Nguyen Thi Hoai Nga HUMG

Deputy Chief

Dr. Vu Diep Anh HUMG

Commissioner

Dr. Le Minh Thong HUMG
Dr. Nguyen Thi Hong Loan HUMG
Dr. Nguyen Thi Kim Oanh HUMG

EDITORIAL BOARD

Chairman

Assoc. Prof. Dr. Nguyen Thi Hoai Nga

Member

Dr. Vu Diep Anh

Dr. Le Minh Thong

M.S. Vu Ngoc Thinh

M.S. Pham Kien Trung

M.S. Pham Minh Hai

CONTENT

FOREWORDxi
Prof. Tran Thanh Hai, PhD
FOREWORDxiii
Prof Dr. Jürgen Kretschmann
SUSTAINABLE DEVELOPMENT IN THE MINING INDUSTRY
RESEARCH ON APPLICATION OF CIRCULAR ECONOMY FOR COAL INDUSTRY OF VIETNAM
Dong Thi Bich, Dang Huy Thai, Le Dinh Chieu
TOWARD UN SDG 11: PATHS OF MINING CITIES SUSTAINABILITY AS PRACTICED IN CHINA10
Congcong CHEN, Zhongxue LI, Yankai ZHANG
OPPORTUNITY AND CHALLENGES IN DEVELOPMENT OF HERITAGE
TOURISM IN POST-MINERAL-EXPLOITATION IN VIETNAM
Pham Ngoc Tuan, Nguyen Lan Hoang Thao, Hoang Thi Phuong
AN LCA-LCCA DECISION MAKING FRAMEWORK FOR SELECTING THE MOST SUSTAINABLE MATERIAL TRANSPORTATION SYSTEM IN SURFACE MINES
Saeed Abdollahi, Roya Aghayarloo, Ali Moradi-Afrapoli and Hooman Askari-Nasab
IMPLEMENTING THE SUSTAINABLE DEVELOPMENT REPORT IN VIETNAM NATIONAL COAL AND MINERAL INDUSTRY GROUP
DEVELOPING A SUITABLE BLAST DESIGN FOR DESIRED FRAGMENTATION IN YBB MONG SON QUARRY, VIETNAM46 Thet Hmue Hay Thi, Ohn Thaik
SOME SOLUTIONS TO DEVELOP GEOLOGICAL TOURISM IN VIETNAM
Nguyen Lan Hoang Thao, Pham Ngoc Tuan
POLICIES OF MINERAL ACTIVITIES
MINING REGULATIONS AROUND THE WORLD AND LESSONS FOR VIETNAM
Nguyen Binh Minh An
POLICY TAX FOR ENVIRONMENTAL PROTECTION IN SOME COUNTRIES IN THE WORLD AND LESSONS LEARNED FOR VIETNAM86
Nguyen Thi Kim Ngan, Tran Van Hiep, Le Thi Thuy Ha

LEGAL PROVISIONS ON MINERAL ACTIVITIES - SITUATION AND SOLUTIONS97 Phi Manh Cuong
LEGAL STATUS OF STATE-OWNED ECONOMIC GROUPS IN VIETNAM103
Nguyen Thi Hong Loan, Nguyen Thi Ngoc Anh
ATTRACTING INVESTMENT CAPITAL FOR STATIC TRANSPORTATION INFRASTRUCTURE DEVELOPMENT IN HA NOI113
Lan Hong Thi Vo
STATE MANAGEMENT ON MOBILIZATION AND UTILIZATION OF INVESTMENT CAPITAL FOR ROAD TRANSPORT INFRASTRUCTURE CONSTRUCTION AND DEVELOPMENT IN HANOI: SOME EXPERIENCES AND LESSONS LEARNED120 Anh Phan
CAPACITY BUILDING AND HUMAN RESOURCES MANAGEMENT IN THE MINING INDUSTRY
MULTIDIMENSIONAL CHARACTERIZATION OF CORPORATE SOCIAL RESPONSIBILITY: A CASE STUDY OF COAL MINING FIRMS IN CHINA
ASSESSMENT OF QUALITY OF ACCOUNTING INFORMATION SYSTEM IN COAL MINING ENTERPRISES161
Pham Thi Hong Hanh
INVESTOR SENTIMENT AND CORPORATE INVESTMENT LEVEL: AN EMPIRICAL STUDY BASED ON VIETNAMESE LISTED COMPANIES
A DISCUSSION OF PROVISIONS FOR PAYABLES IN DONG BAC CORPORATION175
Nguyen Thi Minh Thu
APPLYING MARKET APPROACH FOR MEASURING THE VALUE OF TAY NAM DA MAI JOINT STOCK COMPANY192
Oanh Kim Thi Nguyen, Trang Huyen Thi Nguyen
GREEN FINANCIAL POLICIES AND SOME RECOMMENDATIONS FOR THE COAL MINING INDUSTRY IN VIETNAM202
Luu Thi Thu Ha, Le Thi Thu Hong
THE EFFECT OF CAPITAL STRUCTURE ON PROFITABILITY OF VIETNAM COAL MINING ENTERPRISES211
Pham Thu Trang, Nguyen Thi Hong Loan, Le Ngoc Toan
TARGET COST SETTING MODEL FOR NEW PSC AMID LOW OIL PRICE217 Le Dang Thuc, Nguyen Thi Kim Ngan, Pham Ngoc Tuan

STATIC TRAFFIC PLANNING: THE BASIS TO ATTRACT INVESTMENT IN STATIC TRAFFIC INFRASTRUCTURE IN HANOI224
Lan Hong Thi Vo
LESSONS LEARNT FROM OTHER COUNTRIES IN RISK MANAGEMENT OF PUBLIC-PRIVATE PARTNERSHIP (PPP) PROJECTS IN INFRASTRUCTURE DEVELOPMENT232
Hong Thai Nguyen, Minh Quan Thach, Quang Tung Le, Canh Tinh Nguyen
INCENTIVES AND FINANCIAL SUPPORT OF THE GOVERNMENT IN INFRASTRUCTURE INVESTMENT PROJECT UNDER PUBLIC-PRIVATE PARTNERSHIP IN VIETNAM
Nguyen Hong Thai, Mai Le Loi
PRODUCTION AND HUMAN RESOURCES MANAGEMENT IN MININGPRODUCTION AND HUMAN RESOURCES MANAGEMENT IN MINING
COMPLETING PRODUCTION PROCESS AND LABOR ALLOCATION FOR MECHANIZED longwall 11 IN HA LAM COAL JOINT STOCK COMPANY - VINACOMIN
Thuy Thi Thu Bui, Tuan Anh Dao, An Van Nguyen, Vu Ngoc Thinh
KEY FACTORS EFFECT TO PLANIFICATION OF COAL MINING COMPANIES IN VIETNAM NATIONAL COAL AND MINERAL INDUSTRIES HOLDING CORPORATION LIMITED266
Le Dinh Chieu, Dang Huy Thai, Nguyen Ngoc Khanh, Dong Thi Bich
PREDICTION MODEL FOR QUANTITY OF MECHANDIZED LONGWALLS IN HA LAM COAL JOIN STOCK COMPANY - VINACOMIN277
Pham Kien Trung, Le Van Chien, Nguyen Duc Thang
RETAINING - TALENT IN THE INDUSTRY OF OIL AND GAS EXPLORATION AND PRODUCTION - THE MAIN RETENTION STRATEGIES OF VIETNAM OIL AND GAS GROUP286
Nguyen Thanh Thuy, Le Thi Thu Huong
COMPLETING THE PROCESS OF PRODUCTION COST ACCOUNTING AND PRODUCT COST CALCULATING OF OPEN-PIT MINE COMPANIES IN VINACOMIN
Nguyen Van Buoi, Vu Thi Hien
ENIVERONMENTAL AND ENERGY TRANSITION
ENVIRONMENTAL AND ENERGY TRANSITION
A REVIEW OF MINE CLOSURE REGIME IN THAILAND303 Kridtaya Sakamornsnguana
APPLICATION OF SWOT MATRIX IN ENVIRONMENTAL MANAGEMENT OF
COAL MINING ACTIVITIES IN VIETNAM
Le Van Chien, Nguyen Duc Thang, Pham Kien Trung

IN VIETNAM NATIONAL COAL-MINERAL INDUSTRIES HOLDING CORPORATION LIMITED321				
Pham Thu Huong, Dao Anh Tuan, Pham Kim Thu				
IDENTIFYING THE METHODS FOR GREENHOUSE GAS EMISSION INVENTORY AND APPLICATION FOR THE METALLURGY INDUSTRY328 Tran Xuan Truong, Tran Thanh Ha, Le Thanh Nghi, Nguyen Nhu Hung, Do Thi Thanh Nga, Vuong Xuan Hoa, Doan Thi Thanh Binh, Ngo Sy Cuong, Nguyen Van Khanh, Le Hung Chien				
REVIEW OF THE E5 BIO-FUEL FUEL FUND AND OUTLOOK DEVELOPING IN THE FUTURE339				
Vu Thi Hien, Nguyen Thu Ha				
THE POTENTIAL TO DEVELOP RENEWABLE ENERGY IN VIETNAM IN THE FUTURE				
Le Minh Thong, Do Huu Tung				
CORPORATE SOCIAL RESPONSIBILITY IN THE PEOPLE'S REPUBLIC OF CHINA - OWNED ENTERPRISES AND THE LESSONS FOR VIETNAM NATIONAL COAL - MINERAL INDUSTRIES HOLDING COMPANY LIMITED359 Pham Minh Hai				
A REVIEW OF THE COAL POWER SECTOR IN VIETNAM369				
Nguyen Thi Bich Phuong, Phan Minh Quang				
DEVELOPING GREEN TRANSPORT PROGRAM IN VIETNAM TO COPE WITH GLOBAL CLIMATE CHANGE376				
Sy Sua Tu, Thi Hoai Thu Tu, Minh Hieu Nguyen, Hoai Phong Le, Viet Phuong Nguyen				
RESEARCH TO DEVELOP A MONITORING, REPORTING AND VERIFICATION (MRV) FRAMEWORK FOR GHG EMISSIONS IN THE METALLURGICAL SECTOR				
Tran Xuan Truong, Tran Thanh Ha, Le Thanh Nghi, Nguyen Nhu Hung, Do Thi Thanh Nga, Vuong Xuan Hoa, Doan Thi Thanh Binh, Ngo Sy Cuong, Nguyen Van Khanh, Le Hung Chien				
MISCELLANEOUS				
A DISCUSSION ABOUT THE VALUATION METHODS FOR GLOBAL GEOLOGICAL PARK403				
Phan Thi Thai				
BUSINESS COMMUNICATION AT VIETNAM OIL CORPORATION (PVOIL) - THE STATUS QUO AND SOLUTIONS410				
Nguyen Thu Ha, Vu Thi Hien				

KNOWLEDGE MANAGEMENT DEMAND IN ENTERPRISES UNDER VIETNAMESE COAL MINERAL INDUSTRY GROUP418
Nguyet Thi Pham, Hung Tien Nguyen
IMPROVING THE SYSTEM OF INDICATORS AND Statistical forms IN MINING ENTERPRISES427
Nguyen Thi Bich Ngoc
ANALYSIS ON TUNNEL STABILITY AND SUPPORT PRESSURE AT UPPER KENG TAWNG HYDROPOWER PROJECT, MYANMAR434
Thandar Swe, Ohn Thaik
INTERNATIONAL EXPERIENCE IN STATE MANAGEMENT FOR INDUSTRIAL ZONES AND LEARNING EXPERIENCE FOR VIETNAM455
Nguyen Thi Hai
VIETNAM'S INTEGRATION INTO THE WORLD ECONOMY: A REVIEW AFTER 30 YEARS OF ECONOMIC REFORM460
Phan Huy Duong
CHANGE IN GROUNDWATER FLOW IN A LIMESTONE QUARRY BY DRAINAGE TUNNEL EXCAVATION467
Keisuke INOUE, Kouta FUJIMAKI, Chika UMEDA, Toshifumi IGARASHI
POSSIBILITY OF WELL CLOGGING BY RECHARGING TUNNEL SEEPAGE IN THE KANTO REGION, JAPAN473
Sho Hasegawa, Toshifumi Igarashi

PUBLISHING HOUSE FOR SCIENCE AND TECHNOLOGY

A16, 18 Hoang Quoc Viet Road, Cau Giay, Ha Noi Marketing & Distribution Department: **024.22149040**;

Editorial Department: 024.37917148

Administration Support Department: 024.22149041

Fax: 024.37910147, Email: nxb@vap.ac.vn; Website: www.vap.ac.vn

INTERNATIONAL CONFERENCE ECONOMIC MANAGEMENT IN MINERAL ACTIVITIES -EMMA 5

15th-16th October, Ha Noi, Viet Nam

Responsible for Publishing
Director
PHAM THI HIEU

Responsible for Content
Acting Editor in Chief
DOAN THI YEN OANH

Editor: Dinh Nhu Quang, Nguyen Thi Chien,

Nguyen Van Vinh, Ha Thi Thu Trang

Cover design Do Hong Ngan
Do Hong Ngan

Corporate publishing:

Hanoi University of Mining and Geology Address: No. 18 Pho Vien, Duc Thang Ward, Bac Tu Liem District, Ha Noi

ISBN: 978-604-9955-87-7

Printing 100 copies, size 16×24 cm, printed at Hoang Quoc Viet Technology and Science Joint Stock Company. Address: No.18 Hoang Quoc Viet, Cau Giay, Ha Noi. Registered number for Publication: 3643-2020/CXBIPH/01-52/KHTNVCN. Decision number for Publication: 104/QD-KHTNCN was issued on October 09, 2020. Printing and copyright deposit were completed in 4^{th} quarter, 2020.