

Water and Environment in New Millennium: Education and Capacity Building (WENM2016)

University of Tehran, Tehran, IRAN

Dec. 3-5, 2016

Color Guide for WENM2016 Agenda

	Opening and Closing Ceremonies
	Higher Education
	K12 Education
	Capacity Development
	Climate Change Education and Adaptation
	Indigenous Knowledge
	Public Awareness/Media & Participatory Environment Management
	Islamic Values & Social Issues
	Technical and Vocational Education
	Hydro-diplomacy
	WORKSHOPS

- Names of paper presenters are underlined.
- For presenting each paper, 15 min of presentation time and 5 min of QA is allocated.



DAAD

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ZWU

ZENTRUM FÜR
WASSER- UND UMWELTFORSCHUNG

UNESCO-IHE
Institute for Water Education



DRAFT WENM2016 Conference Agenda

Saturday, Dec. 3, 2016 – 8:15 – 15:00

HALL A- Opening Ceremony

8:15-9:00	Onsite registration
9:00-9:20	Welcome Message by Professor Hamid Pezeshk , Dean, College of Science, University of Tehran
9:20-9:35	Opening Remarks by the Conference Chair Professor Mahmoud Nili Ahmadabadi , Chancellor of the University of Tehran
9:35-9:55	His Excellency Eng. Hamid Chitchian , Minister of Energy of Islamic Republic of IRAN (to be confirmed)
9:55-10:15	Her Excellency Dr. Masoumeh Ebtekar , Vice President of Islamic Republic of IRAN and Head of Department of Environment (to be confirmed)
10:15-10:45	Break
10:45-11:10	Professor Blanca Jiménez Cisneros , Secretary of the International Hydrological Programme/ Director of the Division of Water Sciences, UNESCO
11:10-11:35	Professor Reza Ardakanian , United Nations University (UNU), GERMANY Founding Director of UNU-FLORES Former Director of the UN-Water Decade Program on Capacity Development hosted by UNU <i>The role of research and capacity development on the water related SDGs</i>
11:35-12:00	Professor Mohammad Karamouz , Ph.D., PE, F. ASCE, DWRE Professor, University of Tehran; Former Director of Environmental Engineering, NYU; Former Dean of Engineering, Pratt Institute, Brooklyn, New York <i>A passage from quantity to quality in water education: Developing a shared vision</i>
12:00-13:00	Prayers and Lunch

HALL A

Keynote 13:00-13:25	Professor Wim van Vierssen , CEO, KWR Watercycle Research Institute, Professor in Science Systems Assessment of Water-Related Research, Delft University of Technology, the NETHERLANDS <i>Bridging Science to Practice - Curriculum Developing from a Novel Perspective</i>
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Parallel Session - HALL A

Conference Track: International Success Stories of Water Education & Capacity Development

Paper presentations 13:30-14:30	<i>CAS-TWAS CEWE--A Platform for Capacity Building in the Water and Environmental Field for the Developing World</i> Min Yang , Chinese Academy of Sciences, CHINA, Dongsheng Wang, Yuangsong Wei
	<i>Charting "Sustainability Science" in Educational Programs</i> Ali Chavoshian , Regional Center for Urban Water Management (RCUWM – UNESCO Category 2 Center), IRAN
	<i>Higher Education Capacity Building to Support Achieving the Sustainable Development Goal for Water in Pakistan</i> Steven Burian , University of Utah, USA, Tariq Banuri, M. Aslam Chaudhry, Sajjad Ahmad, Bakhshal Lashari, Kamran Ansari, Mercedes Ward

Parallel Session - HALL B

Conference Track: Participatory Water and Environment Management: Educating Stakeholders

Paper presentations 13:30-14:30	<i>The role of Participatory processes in decision making for local multi-use water services</i> Sarah Bell , Atiyeh Ardakanian , University College London, UK
	<i>Sustainable Capacity Building through Leadership and Empowerment of the Stakeholder's Participation for Integrated Water Resources Management (IWRM): Case study in a Semi-arid region of IRAN</i> Fariba Ghanbari , Research and Productivity Management Office, Water and Wastewater Company, Mashhad, IRAN Hamid Omranian Khorasani , Samaneh Tavakkoli Aminian, Sayyed Alireza Tabatabayi, Kamran Davari
	<i>Sustainable Capacity Building for Sustainable Water Management</i> Arash Malekian , University of Tehran, IRAN
	Break

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Saturday, Dec. 3, 2016 – 15:00-17:30

Parallel Session - HALL A

Conference Track: Indigenous Knowledge & Modern Water Education

Paper presentations and roundtable discussion 15:00-17:30	<i>Capacity Building of Sustainable Groundwater Governance Using Indigenous Knowledge of Qanat Construction and Operation</i> <u>Mohammad Ebrahim Banihabib</u> , Department of Irrigation and Drainage Engineering, University of Tehran, IRAN, Samaneh Ghafoori Kharanagh
	<i>Lessons from Sustainable Water Cycle Management in Past IRAN to Integrate into Today Water Education System</i> Milad Mohammadkhani, <u>Nima Tabrizi</u> , School of Architecture, University of Tehran, IRAN, Mohammad Hossein Sarrafzadeh
	<i>Role of Indigenous Knowledge in Modern Water Education</i> Session talks: <ul style="list-style-type: none"> <i>Qanat Wonders</i>, Eng. Majid Labbaf Khaneiki, UNESCO-ICQHS (15 min) <i>Inspiring from Indigenous water engineering</i>, Dr. Ali-Asghar Semsar Yazdi, UNESCO-ICQHS (15 min) <i>The San Patrizio Well: An Alternative and Defensible Solution to the Roman Water Supply Systems</i>, Professor Arnaldo Pierleoni, MIUR – Italian Ministry for University and Research (15 min) <i>Lessons learnt from Indigenous water management, Case study: Ghazi village</i>, Dr. Khadijah Razavi, CENESTA (15 min) <i>Indigenous water ethics as an elements of modern water higher education</i>, Professor David Groenfeldt, Water-Culture Institute, Santa, USA (15 min)
	<i>Discussion on "Inclusion of Indigenous Water Knowledge into Higher Education Water Curricula"</i> Panelists: <ul style="list-style-type: none"> Dr. Ali Asghar Semsar Yazdi, International Center on Qanats and Historic Hydraulic Structures (UNESCO-ICQHS) Yazd, IRAN Professor David Groenfeldt, Water-Culture Institute, Santa Fe, New Mexico, USA Ms. Fatemeh Zafarnejad, Freelance Water and Sustainable Development Expert and Researchers , IRAN Professor Nasser Taleb Beidokhti, Shiraz University, IRAN Dr. Sayed Mahdi Arabi, Taft Qanat College, Yazd, IRAN

Parallel Session - HALL B

Conference Track: Water, Media, and Educational Tools

Paper presentations and roundtable discussion 15:00-17:30	<i>Ethical Self-control in water issues: Analyzing Iranian Lingual style in Telegram</i> <u>Zahra Ojagh</u> , Institute of Humanities and Cultural Studies, IRAN, S. R. Mirzaei Mousavi
	<i>Water Shortage, Social problem, Crisis or Media Subject</i> <u>Mohammad Mahdi Fatourehchi</u> , Institute of Social Studies and Research (ISSR), University of Tehran, IRAN, Gholamreza Jame Bozorgi
	<i>The social "WATER" robot: An exciting Educational tool for teaching children about water awareness and conservation</i> Ali Meghdari, Sharif University of Technology, Tehran, IRAN, Mino Alemi, Alireza Taheri, M. Hatefipour
	<i>Education and Capacity Development for Enhancing Water and Environment Journalism</i> Panelists: <ul style="list-style-type: none"> Mehdi Ansari Jovini, Communication and Advocacy Specialist, Food and Agriculture Organization of UN, IRAN Ms. Jennifer Bowles, Executive Director of Water Education Foundation, Sacramento, USA Professor Liz Miller, Concordia University, Montreal, Canada

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Saturday, Dec. 3, 2016 – 13:00-17:00

WORKSHOP
13:00-17:00
HALL C

Capacity Building and Development for Drought Management

Professor Henny van Lanen, Wageningen UR, the NETHERLANDS

Project coordinator, DROUGHT-R&SPI - Fostering European Drought Research and Science-Policy Interfacing

Dr. Arash Malekian, Associate Professor, Faculty of Natural Resources, University of Tehran, IRAN

WORKSHOP
13:00-17:00
HALL D

Workshop on Future Educational Needs in IRAN

Part 1- Sustainable Water Management - new perspectives and strategies from ecological/biological and engineering point of views

Part 2- Water quality in freshwater streams: ecology, biodiversity and biomonitoring – innovative concepts and capacity building

Professor Dr. Bernd Sures, University of Duisburg-Essen, Head of the Institute of Aquatic Ecology; GERMANY

Dr. Armin Lorenz, University of Duisburg-Essen, Aquatic Ecology, GERMANY

Dr. Alexander Weigand, University of Duisburg-Essen, Aquatic Ecosystem Research, GERMANY

Mr. Arne Beermann, Ph.D. Candidate, University of Duisburg-Essen, Aquatic Ecosystem Research, GERMANY

Professor Masoumeh Malek, School of Biology, University of Tehran, IRAN

Professor Alireza Sari, School of Biology, University of Tehran, IRAN

DRAFT WENM2016 Conference Agenda

Sunday, Dec. 4, 2016 – 8:30-13:00

HALL A

Keynote
8:30-8:55

Professor Dr.-Ing. Andre Niemann, Centre for Water and Environmental Research
Institute of Hydraulic Engineering and Water Resources Management, University of Duisburg-Essen, GERMANY
Modern Water education needs in Higher Education Units –State of the Art

Parallel Session - HALL A

Conference Track: Integrated Water Resources Management (IWRM) Education

Paper
presentations
9:00-10:20

The Concept of Enquiry Based Learning and Case Study Centered Education in IWRM

Lars Ribbe, Sudeh Dehnavi, TH-Koln, GERMANY

Building Capacity via Graduate Water Education Curriculum: Innovation, Multi-Disciplinary Collaboration and Consistency with IWRM

Bahram Saghafian, Islamic Azad University, Science and Research Branch, Tehran, IRAN

Behshad Mohajer, Mohammad Akbarian

A Success Story in Water Education: International Joint Master Program in Integrated Water Resources Management (IWRM) with a Focus on Middle East and North Africa

Sudeh Dehnavi, Institute for Technology and Resources Management in Tropics and Subtropics, TH Köln, University of Applied Sciences, GERMANY

Water Governance in IWRM Education Concept

Mahsa Motlagh, TH-Koln, GERMANY

Parallel Session - HALL B

Conference Track: K12 Water Education

Paper
presentations
9:00-10:20

Empowering K-12 Learners with Water Management Pedagogy for Sustainable Development through Inquiry Based Science Education Approach

Manzoor Hussain Soomro, ECO Science Foundation, Islamabad, PAKISTAN

K-12 Water Education in Australia

Elham Zakeri, University of Tehran, IRAN

Water Education Through an Integrated Curriculum

Zahra Mehraban, Research Institute for Education, Tehran, IRAN

A Review of Water Education Practices in Schools of the United States, Ireland, Canada, and India

Masoud Shirazi, University of Tehran, IRAN, Hamid Gozini, Samannaz Jafari, Maryam Afkhami, A. Kalbasi

10:20-11:00

Break

Parallel Session - HALL A

Conference Track: Water Higher Education in IRAN

Paper
presentations
11:00-12:00

Critical Analysis of Water Engineering Education Program in IRAN

S. Jamshid Mousavi, Amir Kabir University of Technology, Tehran, IRAN

An overview of water-related programs at Iranian universities

Amir Sadoddin, Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, IRAN

Arash Zare Garizi, Gholamreza Khosravi, Omid Asadi

Proposal for an Empowerment Training Course for Graduates in Water Sciences

Majid Labbaf Khaniki, Ali Asghar Semsar Yazdi, International Center on Qanats and Historic Hydraulic Structures (UNESCO-ICQHS) Yazd, IRAN

Parallel Session - HALL B

Conference Track: K12 Water Education

Paper
presentations
11:00-12:00

A Survey on Water Education Text Books of Primary and Secondary Schools in Islamic Republic of IRAN

Zeinab Ravar, Banafsheh Zahraie, School of Civil Engineering, University of Tehran, IRAN

Hamid Gozini, Maryam Afkhami, Samannaz Jafari, Elham Zakeri, Masoud Shirazi

DANAB: A Plan to Teach Students to Save Water in IRAN

Fateme Ravankhah, Alzahra University, IRAN, Aboozar Hatami Yazd

Nature Schools in IRAN

Mohamad Azimi, Science Department, Shahid Rajaie Teacher Training University, Tehran, IRAN, Mahdi Gholami

12:00-13:00

Prayers and Lunch

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Sunday, Dec. 4, 2016 – 13:00-15:00

Parallel Session - HALL A

Conference Track: Internationalization of Water Education and Capacity Development

Role of International Institutions in Promoting and Internationalization of Water Education and Capacity Development

Panelists:

- **Dr. Bahram Taheri**, Senior Advisor of Health, Safety, and Environment (HSE) to the Minister of Energy, IRAN
- **Professor Reza Ardakanian**, United Nations University, GERMANY
- **Mr. Serge Nakouzi**, Representative of Food and Agriculture Organization of United Nations to the Islamic Republic of IRAN
- **Professor Manzoor Hussain Soomro**, President of ECO Science Foundation, Pakistan
- **Dr. Nasiri Ghidari**, Head IRAN National Commission for UNESCO
- **Professor Wim van Vierssen**, CEO, KWR Watercycle Research Institute and former Rector of UNESCO-IHE
- **Mr. Houshang Jazi**, National Project Manager of MENARID Project (GEF full-size project and SMLWR/UNDP program in IRAN)
- **Dr. Frens Stoeckel**, Director of German Academic Exchange Service (DAAD) in IRAN

Parallel Session - HALL B

Conference Track: K12 Water Education

Cross-sectoral Capacity Development for Promotion of K12 Water Education in IRAN

Panelists:

- **Dr. Kiomars Kalantari**, Director General, Environment Education Office, Department of Environment, I. R. IRAN
- **Dr. Mahmoud Amani Tehrani**, Director General of the Bureau of Compiling Primary and Theoretical Secondary Textbooks, Organization for Educational Research and Planning, IRAN
- **Eng. Dourandish**, Director General of the Bureau of Compiling Technical and Vocational Education Textbooks, Organization for Educational Research and Planning, IRAN
- **Eng. Oskooie**, DANAB Project Coordinator, Water Resources Management Company, IRAN
- **Eng. Khalili**, Director General, Office of Public Relations, I. R. IRAN Water and Wastewater Company
- **Eng. Mohammad Javad Samiee**, CEO, Abanegah Consulting Engineers, Mashhad, IRAN

Roundtable
Discussion
13:00-14:30

Roundtable
discussion
13:00-14:30
(PERSIAN)

14:30-15:00

Break

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Sunday, Dec. 4, 2016 –15:00-17:30

HALL A

Keynote
15:00-15:25

An eyewitness report on three decades of water education and capacity building at the University of Tehran
Professor Mohammad Ali Banihashemi, Dean, Regional Institute of Water Education, IRAN

Parallel Session - HALL A

Conference Track: Modern Water Higher Education

Paper
presentation
and roundtable
discussion
15:30-17:30

Water Economics as an Element in a Comprehensive Water Education

Mark Oelmann, Hochschule Ruhr West University of Applied Science, GERMANY, Benedikt Roters

Challenges and recommendations for Improving engineering education in IRAN

Majid Niazkar, Nasser Taleb Beydokhti, Department of Civil and Environmental Engineering, Shiraz University, Shiraz, IRAN

Panel Discussion: Water Higher Education in IRAN: Challenges and Opportunities

Panelists:

- **Professor Ali Salajeghe**, School of Natural Resources, University of Tehran, IRAN
- **Professor Mohammad Ali Banihashemi**, School of Civil Eng. University of Tehran, IRAN
- **Professor Alireza Sari**, School of Biology, University of Tehran, IRAN
- **Professor Naveh Ebrahim**, Ministry of Science Research and Technology, I. R. IRAN
- **Professor Ali Ayoubzadeh**, Tarbiat Modares University, Tehran, IRAN
- **Dr. Ali Bagheri**, Tarbiat Modares University, Tehran, IRAN
- **Dr. Kamran Davari**, Faculty of Agriculture, Ferdowsi University of Mashhad, Mashhad, IRAN
- **Professor Mahmoud Shafaie Bajestan**, Shahid Chamran University, Ahwaz, IRAN
- **Dr. Reza Ghiassi**, School of Civil Engineering, University of Tehran, IRAN
- **Professor Ebrahim Moghimi**, School of Geography, University of Tehran, IRAN
- **Professor Mojtaba Ardestani**, School of Environment, University of Tehran, IRAN
- **Professor Hamidreza Nasser**, Department of Geology, Shahid Beheshti University, IRAN

Parallel Session - HALL A

Conference Track: Public Awareness and Community Education for Water

Paper
Presentations
15:30-17:30

Empowering Rural Women for Water Management to Solve Drought Problem: A Case Study in IRAN

Mehdi Zarabi, Faculty of New Sciences & Technology. University of Tehran, IRAN, Zahra Khamesh

Social Tools for Resolving Water Crisis in the Zayandehrud River Basin

Hamid R. Safavi, Isfahan University of Technology, IRAN, Sajad Enteshari

Capacity building for agricultural water resources management in IRAN with education and empowering farmers' decision-making ability

Forough Jafari, Chris Bradley, Safieh Javadinejad, University of Birmingham, UK

Assessing Climate Change Adaptation Options in a Cypriot River Basin

Adriana Bruggeman, Elias Giannakis, Christos Zoumides, Katerina Charalambous, Manfred A. Lange, The Cyprus Institute, CYPRUS

Proposing an integrated adaptive framework for capacity building in water resource management in the face of climate change

Nasim Kheirkhah Ghehi, Faculty of Environment, University of Tehran, IRAN, Bahram Malekmohammadi

Identify key actors in participatory management of water resources (Case Study: Darbandsar -village)

Fariba Ebrahimi Azarkharan, University of Tehran, Tehran, IRAN

Milad Sarhadi, Mohsen Mohseni Saravi

DRAFT WENM2016 Conference Agenda

Sunday, Dec. 4, 2016 –9:00-18:20

WORKSHOP
14:30-18:20

Innovative Approaches for Integration of Water Education into the Formal Science of Primary Schools (in PERSIAN)

Dr. Zahra Mehraban, Research Institute for Education, Ministry of Education, IRAN
Elehaheh Alavi, M.Sc., Organization for Educational and Research Planning, Ministry of Education, IRAN
Mohammad Javad Samiee, M.Sc., CEO of Abangah Social and Engineering Group, Mashhad, IRAN
Dr. Maryam Abedini, Organization for Educational and Research Planning, Ministry of Education, Member of Earth Science Committee-UNESCO, IRAN

WORKSHOP
9:00-12:00

Workshop on Future Educational Needs in IRAN

Part 3 - Introduction to water market as a tool for conflict resolution between water users

Professor Dr. Mark Oelmann, University of Applied Sciences Ruhr West (HRW), Mülheim/Ruhr, Professor for Water and Energy Economics and Managing Partner of MOcons GmbH & Co.KG, GERMANY
Eng. Abbas Sahfiei, Head of Broad of Directors, Talashgaran Jarfandish Consulting Engineers, IRAN

WORKSHOP
13:00-15:30

Workshop on Future Educational Needs in IRAN

Part 4- Virtual water and water footprint – methodical approaches for awareness raising and capacity building

Professor Dr. Heidi Elisabeth Megerle, University of applied forest sciences, Rottenburg am Neckar, GERMANY

WORKSHOP
9:00-17:40

Institutional Capacity Building/Development for Sustainable Water Resources Governance System: Role of Higher Education Institutions in Regional Development

Dr. Mukhtar Hashemi, Associated Researcher, Newcastle Institute for Sustainability, Newcastle University, UK
Professor Derek Kauneckis, Associate Professor, School of Leadership and Public Affairs Affiliated Associate, Desert Research Institute, Division of Earth & Ecosystem Sciences, Ohio University, USA
Eng. Abolfazl Mirghasemi, Senior Expert in Watershed Management & Member of Commission for Water, Environment and Green Economy, "IRAN Chamber of Commerce, Industries, Mines & Agriculture (ICCIMA)
Dr. Farzam Pourasghar, Head of Environmental Group at Planning, Spatial Planning and Environmental Affairs Management and Planning Organization, Tehran, IRAN
Dr. Mohammad Reza Balali, Associate Professor of Environmental Philosophy, Head, Chemistry, Soil Fertility and Plant Nutrition Department, Soil and Water Research Institute (SWRI), Tehran, IRAN
Lamiah Hashemi, International Relations & Scientific Cooperation Office, University of Kurdistan, Sanandaj, IRAN

DRAFT WENM2016 Conference Agenda

Monday, Dec. 5, 2016 – 8:30-13:30

HALL A

Keynote
8:30-8:55

Dr. Sayyed Mohsen Fatemi, Department of Psychology, Harvard University, USA
Global Mindfulness and Environmental Protection (Presenting a new model)

Parallel Session - HALL A

Conference Track: Capacity Building and Social Issues

Paper
presentations
9:00-10:20

A Study of Social Factors Underpinning Water Consumption Behavior in IRAN

Sadegh Salehi, Faculty of social sciences, University of Mazandaran, Babolsar, IRAN, Leila Karimi

Socialization of Water Problems

Mahdi Kolahi, Faculty of Natural Resources and Environment, Ferdowsi University of Mashhad, Mashhad, IRAN, Mohammad Hasan Jafari Sayadi, Ghazaal Bajestani Moghadam

Building Capacity for Water Ethics

David Groenfeldt, Water-Culture Institute, Santa Fe, New Mexico, USA

Stewardship Water Engineer Need to be Included in the Professional Networks in the Sustainability Paradigm

Mohammad Reza Balali, Soil and Water Research Institute (SWRI), Agricultural Research, Education and Extension Organization (AREEO), Karaj, IRAN

Parallel Session - HALL B

Conference Track: Education and Capacity Development for Hydro-Diplomacy

Paper
presentations
9:00-10:20

Capacity building in water diplomacy and nonstructural measures training for IRAN water resources sustainability

Shayan Salavitarbar, Abdolrahim Salavitarbar, Mahab Ghodss Consulting Engineers, Tehran, IRAN

Transnational Ecosystem Based Water Management: educating future water managers

Nadine Ruchter, Center for Water and Environmental Research (ZWU), University of Duisburg-Essen, GERMANY, Conny G. F. Mooren

An Step Toward Public Water Education: Water Diplomacy Room of Tabriz City

Mahdi Zarghami, Faculty of Civil Engineering, University of Tabriz, IRAN

Capacity Building for Policy Makers; Water Diplomacy for Prevention of Dust Storm Disaster

Mohammad Ebrahim Banihabib, Department of Irrigation and Drainage Engineering, University of Tehran, IRAN, Narges Dolatabadi

10:20-11:00

Break

Parallel Session - HALL A

Conference Track: Water Recycling – Public Perception, Education, and Outreach

Paper
presentations
11:00-12:20

The necessity of capacity building and awareness raising of local stakeholder and beneficiaries about the effects and usage of unconventional water resources (effluent) in IRAN

Mohammad Javad Samiee, Abangah Consulting Engineering Co., Mashhad, IRAN, Mohammad B. Rasouli

Education and water reuse: IRAN challenges and lessons of international projects

Sara Nazif, University of Tehran, IRAN, Ali Akhundi

An investigation on the educational approaches in different schools and disciplines for water and wastewater treatment

Hashem Asgharnejad, Mohammad H. Sarrafzadeh, UNESCO Chair on Water Reuse, Univ.of Tehran, IRAN

Sustainable Water Usage Improvement Through Educational Techniques: Application in South-East Asian's Cottage Industries

Hamidreza Rashidi, UNESCO Chair on Water Reuse, University of Tehran, IRAN

Mohammad H. Sarrafzadeh, Maryam Madani Larijani

Parallel Session - HALL B

Conference Track: Education for Hydro-diplomacy

Roundtable
discussion
11:00-12:20

Education for hydro-diplomacy, transboundary water management and regional studies

Panelists:

- **Dr. Hojjat Mianabadi**, Delft University of Technology, NETHERLANDS
- **Dr. Zahra Ojagh**, Institute of Humanities and Cultural Studies, IRAN
- **Professor Jalal Attari**, Department of Civil, Water and Environmental Engineering, Shahid Beheshti University, Tehran, IRAN.
- **Eng. Jabbar Vatanfada**, Transboundary Rivers and Shared Water Resources Bureau, Ministry of Energy, IRAN
- **Eng. Mohsen Nagheebby**, Transboundary Rivers and Shared Water Resources Bureau, Ministry of Energy, IRAN

12:20-13:30

Prayers and Lunch

DRAFT WENM2016 Conference Agenda

Monday, Dec. 5, 2016 – 13:30—15:45

HALL A

Keynote 13:30-13:55	Professor Henny van Lanen , Wageningen UR, the NETHERLANDS, Project coordinator, DROUGHT-R&SPI - Fostering European Drought Research and Science-Policy Interfacing <i>Drought and Water Scarcity Education at Different Levels: Challenges to Learn an Inter-Disciplinary Topic</i>
Parallel Session - HALL A	
Conf. Track: Capacity Building for Sustainable Water Resources Development in a Changing Environment	
Paper presentations 14:00-15:20	<i>Engaging hydrological futures: co-producing institutional change for climate resilient water systems</i> Derek Kauneckis , Voinovich School of Leadership and Public Affairs, Ohio University, USA
	<i>Promoting Water and Climate Education Through the Trans-African Hydro-Meteorological Observatory</i> Frank Ohene Annor , Ali Abbasi , Delft University of Technology, NETHERLANDS Nick Van De Giesen , John Selker , Elizabeth Jachens , Ellen Van Andel , Friso Vos De Wale , Mojtaba Shafiei
	<i>Evaluating the potential of setting up master degree of climate change in IRAN</i> Alireza Massah Bavani , National Climate Change Project, Department of Environment, IRAN, Mohsen Nasser , Mohammad Sadegh Ahadi , Mohammad Hasan Mahmoudi
	<i>Adaptive Capacity Building Framework for Wetland Risk management in Response to Climate Change</i> Nasim Kheirkhah Ghehi , Leila Rahimi , Bahram Malekmohammadi , Faculty of Environment, University of Tehran, IRAN
Parallel Session - HALL B	
Conference Track: Water Education & Islamic Laws and Ethics	
Roundtable discussion 14:00-15:20 (PERSIAN)	Panelists: <ul style="list-style-type: none"> Islamic Scholar Sayed Mahdi Tabatabaie, Founder and executive director of Bahrololoom Institute, Ghom, IRAN Mr. Ghaemi Khargh, Bahrololoom Institute, Ghom, IRAN Islamic Scholar Ahmad Mahdizadeh Dr. Mukhtar Hashemi, Newcastle Institute for Sustainability, Newcastle University, UK Topics: <ul style="list-style-type: none"> <i>Water law in Islamic Jurisprudence</i> <i>Islamic moral codes and ethics in environmental education concentrating on water crisis</i> <i>The importance of water in Islamic law and ethics</i> <i>Toward environmental jurisprudence: an ethical legal framework for sustainable community-based water management</i> <i>Capacities available in theology schools for combating water crisis</i>
15:20-15:45	Break

DRAFT WENM2016 Conference Agenda

Monday, Dec. 5, 2016 – 15:45-18:45

HALL A

Keynote 15:45-16:10	Professor Charlotte de Fraiture , Professor of Hydraulic Engineering for Land and Water Development, Head of the Water Science Engineering Department, UNESCO-IHE, NETHERLANDS <i>Future water problems call for different competencies: UNESCO-IHE's approach to water education</i>
Parallel Session - HALL A Conference Track: Sustainable Groundwater Resources Management	
Paper presentations 16:15-17:15	<i>Integrated Water Resources Management of arid and semiarid regions: Capacity building on the important role of hydrogeology based on case studies from the Middle East</i> <u>Randolf Rausch</u> , University of Applied Forest Sciences, GERMANY, Heidi Elisabeth Megerle
	<i>Water Education and Its Poor Linkage with Decision Makers, Stakeholders, and the Community Needs in IRAN</i> <u>Ezzat Raeisi</u> , Department of Earth Sciences, Shiraz University, IRAN
	<i>A Study on the Effects of Training on Knowledge and Insight of Junior Students about Critical State of Underground Water Resources</i> <u>Mohammad Javad Samiee</u> , Abangah Consulting Engineering Co., Mashhad, IRAN, Mohammad Behnami Rasouli, Mahdi Zeinali
Parallel Session - HALL B Conference Track: Capacity Building for Sustainable Water Resources Development and Management in a Changing Environment	
Paper presentations 16:15-17:15	<i>Enhancing Urban and Rural Resiliency through Integrated Water Resources Management – The Iowa Watershed Approach</i> <u>Larry J. Weber</u> , IIHR – Hydrosience and Engineering, The University of Iowa, Iowa City, USA
	<i>Improving Water Competence in the MENA Region in the Context of Future Earth</i> <u>Manfred Lange</u> , The Cyprus Institute, CYPRUS
	<i>Overview of Potential Water Resources Development for Kabul Metropolitan Area (KMA)</i> <u>Sayed Waliullah Aqili</u> , Infrastructure Division, Capital Region Independent Development Authorities (CRIDA) Kabul, AFGHANISTAN
Closing Ceremony HALL A	
17:15-17:40	Mohammad Hajrasouliha , Managing Director of IRAN's Water Resources Management Company, IRAN
17:40-18:00	Ms. Esther Kuisch Laroche , Director and Representative of UNESCO Cluster Office in Tehran and UNESCO's Representative to the Islamic Republic of IRAN and Turkmenistan
18:00-18:15	Live Traditional Iranian Music Performance (to be confirmed)
18:15-18:30	<i>Closing Remarks</i> Dr. Banafsheh Zahraie , Coordinator of WENM2016 Scientific Committee, School of Civil Engineering, University of Tehran, IRAN Professor Masoumeh Malek , Chair of WENM2016 Executive Committee, Vice Dean of College of Science, University of Tehran, IRAN
18:30-18:45	<i>Appreciation</i> Professor Nasser Soltani , Dean, College of Engineering, University of Tehran, IRAN

DRAFT WENM2016 Conference Agenda

Monday, Dec. 5, 2016 – 9:00-17:30

WORKSHOP
13:30-17:30

Technical and Vocational Education and Training Programs in the Field of Urban and Rural Water and Wastewater Management

Michael Schwarz, Federal Institute for Vocational Education and Training, Division “International Cooperation and Advisory Services / German Office for International Cooperation in VET”, GERMANY
Herbert Tutschner, Federal Institute for Vocational Education and Training, Head of Division “Electrical, IT- and Scientific Occupations”, GERMANY
Roland Knitschky, German Association for Water, Wastewater and Waste, Expert

WORKSHOP
9:00-15:00

Workshop on Future Educational Needs in IRAN

Part 5-Achieving Water Sustainable Development Goals through Advancement in Water Higher Education

Professor Dr.-Ing. Andre Niemann, Centre for Water and Environmental Research, Institute of Hydraulic Engineering and Water Resources Management, University of Duisburg-Essen, GERMANY
Professor Steven Burian, Department of Civil and Environmental Engineering, Director, U.S.-Pakistan Center for Advanced Studies in Water, Associate Director, Global Change and Sustainability Center, University of Utah, USA
Professor Charlotte de Fraiture, Professor of Hydraulic Engineering for Land and Water Development, Head of the Water Science Engineering Department, UNESCO-IHE, NETHERLANDS

WORKSHOP
9:00-13:00

Sustainable Groundwater Management

Part 1- Groundwater modelling as a tool of IRWM in arid and semiarid areas

Professor Dr. Randolph Rausch, Technische Universität Darmstadt, Hochschule Rottenburg, GERMANY

Part 2- Public Awareness and Social Approach; A Key for the Goal of Groundwater Sustainable Management

Eng. Mohammad Behnam Rassouli, Manager of technical department at Abangah, Member of authors team for second instruction of Groundwater Rebalancing Plan (Signed by Energy Minister of I.R.I at 2015), IRAN
Mohammad Hobewatan, M.Sc. in Hydrology and Social Science Research, Department manager at Ministry of Energy, IRAN