

Organizing Committee

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Prof. John Stolz, PhD – Duquesne University
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Further details and affiliations of the presenters and the research groups they are working with are outlined in the book of abstracts.

Conference Founders

Prof. Dr. Klaus Klein – University of Cologne
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Prof. Robert J. McDermott, PhD – Southern Illinois University Carbondale
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Prof. Dale O. Ritzel, PhD – Southern Illinois University Carbondale
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Post-Conference Program

Inside Rembrandt, December 8, 2019: 10:15 – 12:00 a.m.

Visit of the Wallraf-Richartz-Museum, Cologne: Inside Rembrandt exhibition

Brauhaus, December 8, 2019: 12:45 p.m.

Subsequent to the museum visit we will have lunch at the Brauhaus Sünner im Walfisch in the Old Town of Cologne.

Because space is limited, all persons expecting to attend should register in advance. Please send your intention to attend to Prof. Dr. Edelmann:

h.edelmann@uni-koeln.de

Conference Fees (50 €) are payable at registration or in advance by electronic transfer to the

COLOGNE ENVIRONMENTAL SOCIETY CES E.V.

IBAN: DE32 3705 0198 1930 7470 09



Venue

From the Central Station take the suburban railway (S-Bahn) 16 or 18 to Neumarkt (2nd stop). Then take the S-Bahn 1 or 7 and get off at Universitätsstraße (3rd stop).

University of Cologne, IBW-Building no. 211,
Herbert-Lewin-Str. 2, 50931 Köln
Room numbers (2nd floor) H 114 and S 103.

December 6–7th, 2019

Organized by the Institute of Biology Education and
the International Masters of Environmental Sciences Program
University of Cologne

Sponsored by Cologne Environmental Society, e.V.,
VBIO-NRW, and Prof. Dr. Klaus Klein

Health, Environment, and Education: How Should Science Intervene in Society?

13th Winter Meeting

The International Consortium
for Interdisciplinary Education
about Health and the Environment



Program for December 6th, 2019

13.30-14.00	Pre-conference coffee
14.00-14.15	Welcome Research and Cake – A Short Story – Sina Lenski, PhD Candidate, University of Cologne
HEALTH	
14.15-14.45	From Long-term Survival to Long-term Care for People Living with HIV – Prof. Annie Lu Nguyen, PhD, University of Southern California
14.45-15.15	The Association of Military Veteran Psychological Distress and Environmental Features of Neighborhoods – Using Science and the Evidence Base for Intervention – Prof. Justin T. McDaniel, PhD, Southern Illinois University
15.15-15.45	The Dynamic Relationship between Environment and Drinking Behavior – Prof. John D. Clapp, EdD, University of Southern California
15.45-16.00	Students Response & Discussion Audience
16.00-16.30	Break & Poster Exhibition
EDUCATION	
16.30-17.00	The science behind food based dietary guidelines – Prof. Dr. Ute Nöthlings, University of Bonn
17.00-17.30	The contribution of metacognitive support to environmental literacy and drinking-related nutritional literacy – Prof. Michal Zion, PhD, Bar Ilan University, Israel
17.30-18.00	Digital first?! Effects of digital and analogue learning tools on plant knowledge acquisition of future biology teachers – Lars Emmerichs, PhD Candidate, University of Cologne
18.00-18.15	Students Response & Discussion Audience

Program for December 7th, 2019

08.30-09.00	Pre-conference coffee
ENVIRONMENT	
09.00-09.30	When Does a Scientist Become an Advocate? – Prof. John Stolz, PhD, Duquesne University
09.30-10.00	Waldsterben 2.0 and the tightrope between facts and emotions – Dr. (habil.) Henrik Hartmann, MPI for Biogeochemistry, Jena, Germany
10.00-10.30	Intercultural Awareness and Educator Efficacy in Environmental Ethics – Raymond Vergona, MEd, IMES, University of Cologne
10.30-10.45	Students Response & Discussion Audience
10.45-11.15	Break & Poster Exhibition

EDUCATION	
11.15-11.45	Potentials of ICT in Education - Teaching Alzheimer's Disease by using Augmented Reality – Prof. Dr. Christoph Thyssen, TU Kaiserslautern
11.45-12.15	Sports vs. everyday movement - What do students think about the relation between moving and health? – Dr. Sarah Dannemann, University of Hannover
12.15-12.45	Social media and environmental issues – Reconsidering required competencies for living in post-truth societies – Dr. Alexander Büssing, University of Hannover
12.45-13.00	Students Response & Discussion Audience
13.00-14.00	Break & Poster Exhibition/Business meeting of conference organizers
ENVIRONMENT	
14.00-14.30	Are there effects of environmental ionising radiation we are missing? – Dr. Keith Baverstock, Department of Environmental and Biological Sciences, Kuopio Campus, University of Eastern Finland, Finland
14.30-15.00	Management of epidemic breakout in Africa; should science seek the help of law? – Dennis Agelebe, Partner, DAOS Law Firm, Lagos, Nigeria, Doctoral candidate, University of Cologne
15.00-15.30	Changes of the temporal distribution of fine dust in Cologne / Reducing plastic: Researching the role of attitude behaviour gap in plastic use and reduction, a study of Cologne – Anna Merk, Courtney Newman, Shreya Mundhra, IMES students University of Cologne
15.30-15.45	Students Response & Discussion Audience
15.45-16.15	Break & Poster Exhibition
HEALTH	
16.15-16.45	Improving Health and Educational Outcomes through International Experiential Learning: A Case Study – Prof. Alyssa B. Mayer, PhD, University of South Carolina Beaufort
16.45-17.15	Global Health Equity MS Program: A Transformative Learning Experience Based on Global Partnerships and Community Engagement – Prof. Laura D. Cassidy, PhD, Medical College of Wisconsin
17.15-17.45	Translational Science: Uses of Scientific Findings to Impact Society through Policy, Systems, and Programmatic Change – Prof. David W. Seal, Tulane University
17.45-18.00	Students Response & Discussion Audience

Poster Presentations by:

Invited research groups

Effects of authenticity at out of school learning offers on scientific literacy of secondary level one students – Daniela Schrieb, Prof. Dr. Nicolas Robin – PHSG St. Gallen, Prof. Dr. Andreas Müller – University of Geneva

Collegiate Health Education in the USA: Relevant? – Kristen Brewer – Southern Illinois University, Prof. Kadi Bliss – Austin Peay State University

TBA – Liziane Martins, PhD, Prof. Charbel El-Hani, PhD – Federal University of Bahia

Barriers to Nature Education: Creating Solutions to Negative Attitudes towards Nature in Preservice Teachers – Tammy Davis, Prof. Sara Starbuck – Southeast Missouri State University

Adverse Childhood Experiences (ACEs): Whose Problem is it Anyway? – Ashley Moss

Long-term Recovery Following Natural Disasters – Prof. Dhitinut Ratnapradipa

The Role of Public Participation in Environmental Epidemiology – Prof. Kendra L. Ratnapradipa

How Public Health and Science Have Intervened in Society – Prof. Dale O. Ritzel, PhD, Prof. Robert J. McDermott, PhD – Southern Illinois University

The Triangle of Health, Environment, and Education in Adolescent Asthma – Tali Schneider – University of South Florida

Science Says: Applying Health Literacy Principles to Share Research to the Public – Prof. Sandra Vamos, PhD – Western Michigan University, Dr. Paul Yeung – Simon Fraser University, Canada

IMES students, University of Cologne

Particulate Matter und Why it matters – Jennifer Pool, Nino Tkavadze

Economizing Nature - A Solution to Climate Change or Business as usual? – Pia Wieser, Lea Müller, Fernanda Castro

Pro-Environmental nudging (PEN) - the potential of nudges in promoting energy-saving behaviour of private households – Jacqueline Klingen, Helen Hebing

Cultured Meat - The Sustainable Protein Source of the Future? – Lukas Plenk, Tim Gewiss

Examination of Ecological Conservation: Rewilding – Samuel Harvey, Endalew Abebe Derseh, Julian Wagenhofer

AI - friend or foe in the fight against poaching? – Alexandra van Hoek, Shanice Da Costa

The Energy Crisis - Elephant Grass (*Miscanthus spp.*): a Substitute to Coal? – Timothy Cameron

Bachelor students, Teacher Education Programme, University of Cologne