



© Jenna Arts

# The Global Petroleumscape: the exhibition

*The spatial impact of oil flows*

Petroleum – its extraction, refining, transformation, and consumption – has shaped our built environment in visible and invisible interconnected ways around the world over the last 150 years. Industrial structures, buildings, monuments, urban forms, and infrastructure stand as material witnesses to the ubiquity and power of petroleum. Many people orient themselves in space referring to gas stations, others point to oil headquarters as local urban icons, and a select few are aware of local oil industry facilities or the educational, housing or leisure facilities of the petroleum industry employees. But while observers recognize the connection to oil in select buildings, they do not picture the enormous collective presence of oil in the built environment, its impact on production processes, financial flows, and associated social and cultural patterns in our everyday environment, or the long history of oil’s impact on our lives. Expanding on the show “Oliedam: Rotterdam in the Oil Era from 1862-today,” this augmented exhibition on “The Global Petroleumscape” analyses the impact of oil in shaping architecture and the urban landscape at a larger global scale.

## When and where

18 May - 2 June 2017

BK-Expo, Faculty of Architecture and the Built Environment (Building 8)  
Julianalaan 134, 2628 BL Delft

## Programme

18 May 2017 - 17:00-18:00

Exhibition opening in conjunction with the workshop

## RESEARCH LEADER

Carola Hein

## EXHIBITION CURATORS

**Oliedam:** Carola Hein, Seyed Mohamad Ali Sedighi

**The Global Petroleumscape:** Carola Hein, Elmira Jafari, Paolo De Martino, Erfan Farahmand

## EXHIBITION COORDINATORS

Paolo De Martino, Elmira Jafari

## DESIGNERS

Museum Rotterdam and Paolo De Martino, Elmira Jafari, Erfan Farahmand

## GRAPHIC

Erfan Farahmand

## RESEARCH CONTRIBUTIONS

Penglin Zhu, Rezvan (Rose) Sarkhosh, Olivia Forty, George Ikilikjan,  
students from the Architecture and Urbanism Beyond Oil studio

## MAPPING

Arnoud de Waaijer

## SUPPORTING TEAM

Seyed Mohamad Ali Sedighi, John Hanna, Fatma Tanis

## PUBLICIST

Tessa Wijtman Berkman

## EXHIBITION CONSTRUCTION

Peter Koorstra, Bas Vahl



© Jenna Arts

# The Global Petroleumscape: the conference

Convener: Prof. Dr. - Ing. Carola Hein, TU Delft

17-19 May 2017 - Faculty of Architecture and the Built Environment (Building 8) Julianalaan 134 2628 BL Delft - Rooms: May 17th in Room U and May 18-19th in Berlage Zaal 1

With questions and for registration please contact A.K.Degenhardt@tudelft.nl

## May 17th in Room U

**Morning:** TheGlobalPetroleumscape Beyond Oil: From Analysis towards application; Circular Economies Beyond Oil  
**Afternoon:** The Petroleumscape of the Americas and China

9:00-9:30 Keynote 1 Prof. Dr.-Ing. Carola Hein, TU Delft:

The Global Petroleumscape

9:30-11:05 Research Presentations:

Theory and methodology in the study of (petroleum) commodity flows and its impact on the built environment and spatial representations through European examples, chaired by Prof. Dr. Ing. Carola Hein

9:30-9:37 Dr. Nancy Couling, TU Delft: Oil and the Urbanization of Oceans

9:40-9:47 Prof. Dr. Pieter Uyttenhove, Universiteit Gent: Oil in Antwerp

9:50-9:57 Dr. Christoph Strupp: The Rise and Fall of Oil as a Commodity in the Port of Hamburg

10:00-10:07 Dr. Marten Boon, Norwegian University: 'An Alien perfume'- How petroleum flows reshaped industrial space in the Rhine basin

10:10-10:17 Prof. Dr. Dirk Schubert, HCU Hamburg: The Petroleumscape After Peak Oil - challenges for seaports of the northern range

10:20-11:05 Discussion

11:05-11:20 Break

11:20-11:50 Keynote 2 Prof. ir. Peter Luscuere, TU Delft: Circular Economies Beyond Oil

11:50-13:20 Discussion and Roundtables: with representatives from policy making, private companies and computing, chaired by Prof. ir. Peter Luscuere

11:50-11:57 Paolo De Martino, TU Delft/Prof. Dr. Michelangelo

Russo, University of Naples Federico II: Creating a Post-Petroleumscape: overcoming the territorial impact of oil on the urban landscape of Naples

12:00-12:07 Marnix Bonnike, Learning Center Dunkerque: Exhibition for Post-Oil

12:10-12:17 Dominique Lancrenon, ECTP-CEU Secretary General Honorary President: Planning Beyond Oil in Dunkerque

12:20-12:27 Dr. Gloria Pessina, UCL/Dr. Chiara Geroldi, Polytechnic University of Milan: From Oil to Electricity: power stations' landscapes in Italy

12:30-12:37 Ergün Erkoçu, University of Curaçao: Beyond Oil in Curaçao

12:40-13:20 Discussion

13:20-14:00 Lunch in Room BG.West.270

14:00-14:30 Keynote 3 Prof. Dr. Imre Szeman: Energy Humanities and the North American Petroleumscape

14:30-15:50 Research presentations:

chaired by Imre Szeman

14:30-14:37 Prof. Dr. Sabrina Peric, University of Calgary: The Poetics and Politics of Expertise: 20th century petrosience and governance in the Canadian North

14:40-14:47 Prof. Dr. Petra Dolata, University of Calgary:

Arctic Energyscapes: Frontier, Workplace, Homeland

14:50-14:57 Thomas Turnbull, University of Oxford:

Energy Conservation in California: an informational fix

15:00-15:07 Dr. Sofia Ahlberg, Uppsala University: Spatial Oddities: feminine inscriptions and interruptions of petroleum flows in fiction from Egypt and the US

15:10-15:50 Discussion

15:50-16:05 Break

16:05-16:35 Keynote 4 Prof. Dr. Xu Suning, : Urban Landscape and Planning Transition in Chinese Oil cities

16:35-18:00 Research presentations:

Oil clusters in China, chaired by Xu Suning and Penglin Zhu

16:35-16:55 Prof. Dr. Li Hou, Tongji University: Building for Oil: Chinese cities and countryside under the Daqing model

17:00-18:00 Go/No Go Presentation and Discussion:

Penglin Zhu, TU Delft: Representations of the Chinese Petroleumscape in Daqing: (External: Prof. Dr. Li Hou, Prof. Dr. Xu Suning)

19:30 Conference Dinner

## May 18th in Room Berlage Zaal 1

**Morning:** The Petroleumscape of the Middle East

**Afternoon:** The Petroleumscape of Iran

9:00-10:00 Go/No Go Presentation and Discussion: Rezvan (Rose) Sarkhosh (External: Dr. Pamela Karimi, Dr. Rasmus Eiling) The Spaces of Iranian Oil in the South-West of Iran

10:00-10:30 Keynote 5 Dr. Pamela Karimi University of Massachusetts Dartmouth, USA: Building the Iranian Oil Space: architecture culture in the Early petroleum era

10:30-10:45 Break

10:45-11:15 Keynote 6 Dr. Rasmus Christian Elling University of Copenhagen: Oil, Urbanism and Global History: the politics of writing the petroleumscape

11:15-11:45 Keynote 7 Dr. Nelida Fuccaro University of London: Middle Eastern Oil Towns as Petro-Histories

11:45-13:05 Research Presentations, chaired by Dr. Rasmus Christian Elling, Dr Pamela Karimi and Dr. Nelida Fuccaro: Spaces of Oil in the Middle East

11:45-11:52 MA. Farshid Khodadadian, Director of Tourism and Cultural Services National Iranian Oil Company: Oil Modernity

11:55-12:02 Seyed Mohammad Ali Sedighi, TU Delft: Oil-led Geopolitics, Mass Housing, and Lifestyle of Working Class in Tehran, The Example of Kuy-e Kan

12:05-12:12 Elmira Jafari, TU Delft: Socio-spatial Representation of Oil through the Lens of Media: Examining the Case of Iran During its Oil Boom

12:15-12:22 Maryam Gorgpour, Islamic Azad University: Investigating the Development of Oil Cities in Iran: transition from oil city to livable city

12:25-13:05 Discussion

13:05-14:00 Lunch in Room Berlage Zaal 2

14:00-14:30 Keynote 8 Dr. Stephen Ramos University of Georgia: Spheres of Influence: thoughts on oil, territory, and logistics in the Gulf

14:30-15:15 Research presentations, chaired by Dr. Stephen Ramos

14:30-14:37 Laura Hindelang, Freie Universitaet Berlin: Precious Property. Infrastructures of oil and water in Kuwait

14:40-14:47 Prof. Dr. Michelangelo Sabatino, Mohammed Alkhabbaz, Saad Alghamdi, Illinois Institute of Technology: Saudi Arabia 'Leaps' into Modernism (1944-1961)

14:50-15:15 Discussion

15:15-15:30 Break

15:30-16:00 Keynote 9 Prof. Dr. Rosemary Wakeman Fordham University: Petroleumscape of Central and Eastern Europe, Russia, Africa

16:00-17:30 Research Presentations:

chaired by Dr. Rosemary Wakeman

16:00-16:07 Dr. Benjamin Steininger, Max Planck Institute for the History of Science, Berlin: Vienna Basin - 100 Years of Austrian oil

16:10-16:17 Dr. Alexander Klose (with Dr. Benjamin Steininger): Petro Noir

16:20-16:27 Dr. Matúš Mišík, Comenius University in Bratislava/Dr. Andrej Nosko, independent researcher, Hungary : Easting Gas Pipeline: solution to central and eastern European gas supply challenges?

16:30-16:37 Dr. Lukasz Stanek, The University of Manchester:

Architecture and Petrobarter. Romanian and East German construction export to oil producing countries, 1970s-1980s

16:40-16:47 Diogo Henriques: Mapping Oil Spills in the African Coast: a change in environmental and social mindsets?

16:50-17:30 Discussion

17:30 Global Petroleumscape: Exhibition opening

Dinner individually

## May 19th in Room Berlage Zaal 1

**Morning:** The Petroleumscape of Central and Eastern Europe and Russia, Book Publication plans and tools

**Afternoon:** Visit to Rotterdam Oil Port, Opening for ArchiMediaL research project

9:00-10:00 Go/No Go Presentation and Discussion

Fatma Tanis (External Dr. Stephen Ramos, Prof. Dr. Paul van de Laar)

10:00-10:30 Keynote 10 Prof. Dr. Paul van de Laar Erasmus

University Rotterdam: Rotterdam Transropolis: the transformation of a port-economy since the 1870s

10:30-11:00 Break and Visit to the Exhibition

11:00-11:30 Roundtable and Presentation Setting out Mapping Research on Flows of Oil and Spatial Development Around the North Sea.

Ir. Arnold de Waaijer PhD. and Erfan Farahmand, TU Delft chaired by Prof. Dr. Ing. Carola Hein and Ir. Arnold de Waaijer Ph.D

11:30-12:45 Research Presentations

How can Mapping Contribute to Landscape, Urban and Architecture Research Projects?

11:30-11:37 Dr. Ing. Steffen Nijhuis and ir. Michiel Pouderoijen, TU Delft, Chair of Landscape Architecture: Landscape Composition & Systems

11:40-11:47 Prof. Dr. Ir. -Arch. Johan Lagae, Ghent University: The Making and Shaping of a Congolese Harbor City During the Interwar Years

11:50-11:57 Ir. Merten Nefs, Delta Metropolis Association: Urban Systems.

12:00-12:07 Dr. Jaap-Evert Abrahamse and Drs. Menne Kosian, Cultural Heritage Agency of The Netherlands: The History of Cities and the Urban Landscape in the Netherlands Mapped

12:10-12:17 Ir. Iskandar Pané, TU Delft, Chair of Complex Projects: Mapping the University Campuses of Delft and Eindhoven

12:20-12:55 Discussion

12:55-13:15 Conclusion: Road Map for Spatial Research, Visualisation and Publication. Establishing a roadmap for publication, with Prof. Dr. Ing. Carola Hein

13:15-14:00 Lunch in Room Berlage Zaal 2

14:00-17:00 Visit to Rotterdam Oil Port and Oil related facilities in the Randstad (half-day tour to get all participants acquainted with the concept and the Dutch location)

14:00-14:30 Presentation of the ArchiMediaL project

14:30-15:00 Discussion

15:00-17:00 Internal Kick-off

Parallel Event:

Launch of the Volkswagen Foundation Grant Project ArchiMediaL, led by: Carola Hein, Dirk Schubert, Beate Löffler, Jan Gemert, Victor de Boer, in Room Berlage Zaal 1

14:00-14:30 Presentation of the ArchiMediaL project

14:30-15:00 Discussion

15:00-17:00 Internal Kick-off