



URBAN LAB CAMP

22 JULY - 19 AUGUST

2017





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Urban Lab Camp brings down cultural, personal, educational and professional walls.

It also gives its participants the opportunity to have hands-on practical experience on what they have learnt in classrooms.

Ahmed Khalil

Ahmed Khalil

**Urban Lab Camp Co-Founder
and Program Manager**

ABOUT THE CAMP

The Urban Lab Camp aims to provide its participants with the necessary theoretical and practical know-how that aligns with the foundations of sustainability and modern SMART cities, focusing on the aspects of Urban Development, Energy Engineering and Water Engineering.

PARTICIPANTS GENDER

♀ 51

♂ 48

The camp involves academic sessions provided by German professors and research assistants from TU Berlin along with experts from international and local NGO's and from private companies to give the participants an insight from the professional life.



13
GOVERNORATES
1154
APPLICANT
99
PARTICIPANT
WITH DEGREES FROM

Agricultural - Bio technology
Architecture
Chemistry
Civil Engineering
Economics
Electrical Engineering
Energy Engineering
Environmental Engineering

Environmental Science
Law and Humanities
Mechanical Engineering
Urban Development
Urban Planning
Water Engineering
Other



CAMP PARTNERS



The research Campus El Gouna acts as a scientific field office of Technische Universität Berlin in Egypt in the heart of the MENA (Middle East and North Africa) region. It provides a fully equipped environment for studying, research and development as well as for cultural and scientific events.

As a place for research and development, the Campus provides a state-of-the-art environment to develop sustainable and applicable technologies to meet the challenges of today and tomorrow. It brings together TU Berlin's experts as well as the future professionals within the lab-like emerging city of El Gouna.

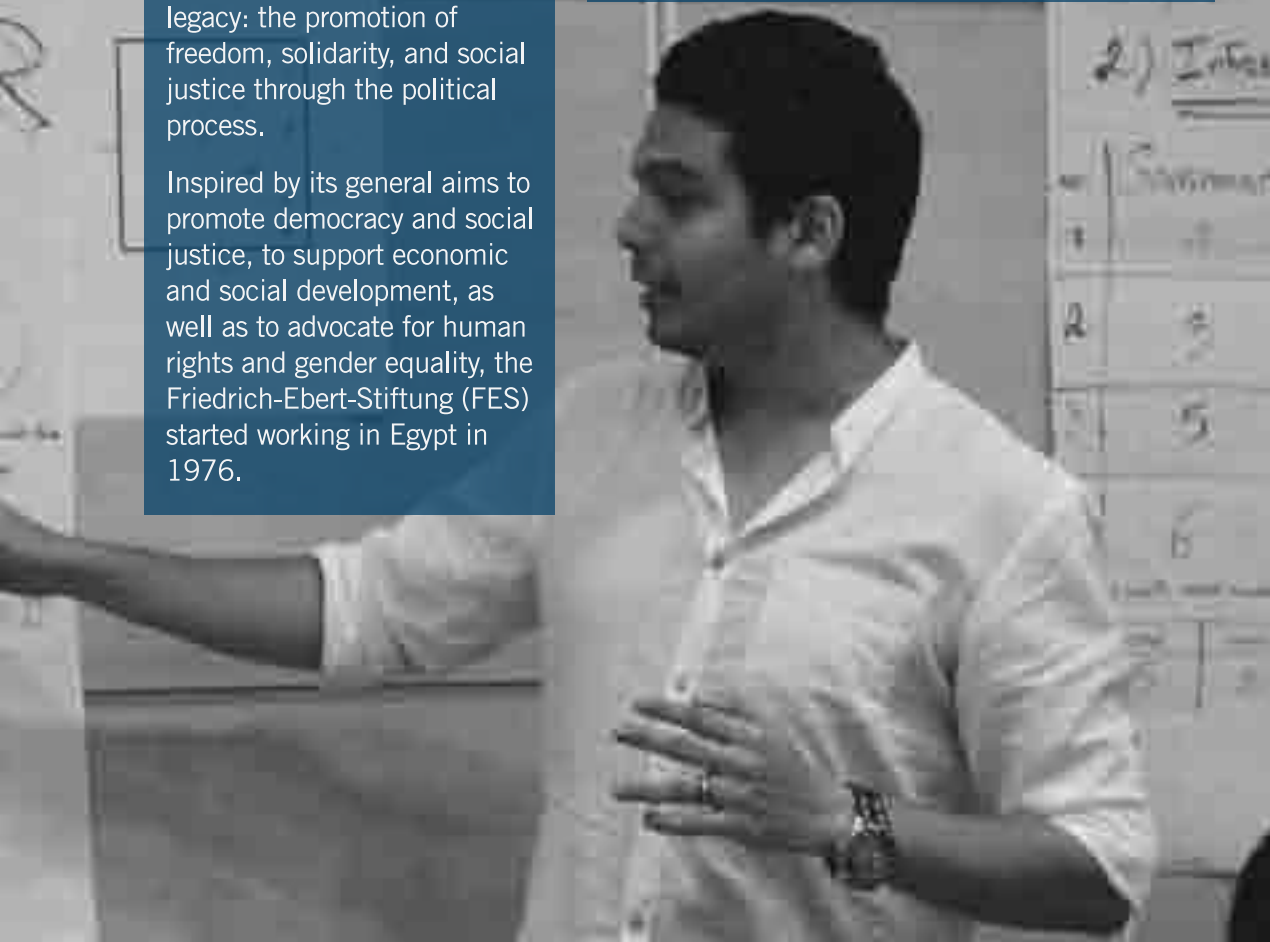
Joint activities with corporate partners such as innovative forms of training and further education as well as research and development play an important role for Campus El Gouna as well. It serves as an interdisciplinary incubator for new approaches to technology and knowledge transfer for strengthening societal awareness and entrepreneurial initiatives.

Founded in 1925 as Germany's first political foundation, the Friedrich-Ebert-Stiftung (FES) is a private, non-profit organization committed to the precepts of social democracy. It bears the name of the first democratically elected president of Germany Friedrich Ebert, preserving his legacy: the promotion of freedom, solidarity, and social justice through the political process.

Inspired by its general aims to promote democracy and social justice, to support economic and social development, as well as to advocate for human rights and gender equality, the Friedrich-Ebert-Stiftung (FES) started working in Egypt in 1976.

In the field of sustainability, FES' objective is to support sustainable development and promote environmental policies through the exchange of information and experiences on a national and regional level by supporting local partners in realizing projects that promote environmental awareness.

The Urban Lab Camp project with TU Berlin Campus El Gouna with its three tracks will equip students with the necessary skills to tackle not only technical matters but also complex societal issues such as the integration of renewable energies, the impact of climate change as well as informal settlements. The program highlights the relationship between community and environment in attempts to solidify a sustainable approach to human development.



A black and white photograph of a woman wearing a white lab coat and a dark hijab, working in a laboratory. She is looking down at something in her hands. In the background, there are various pieces of laboratory equipment and a sign that says "SOLUTE".

ORASCOM
DEVELOPMENT



In an effort to continue encouraging grass root endeavors which aid sustainable development, Orascom Development is constantly on the lookout for fruitful partnerships that yield serious result. Therefore partnering with TUBCG in creating “Urban Lab” has been both a productive and enjoyable experience.

Creating a hub for youth from all walks of life who then get a chance to brainstorm and network strengthens our community and helps create a ripple effect with more endeavors that gear towards sustainable development.



We believe El Gouna acts as a powerful microcosm of a city undertaking serious effort towards sustainability and therefore the right environment for students to witness tangible outcomes of sustainability projects.

El Gouna won the Global Human Settlements Award sponsored by the United Nations Environment Program (UNEP) for being a Global Green Town and in recognition of the success of its initiatives, recently implementing the first electric bike sharing system in Africa and the largest in the Middle East, El Gouna continues implementing unique projects that aid its efforts in reaching a zero carbon footprint and will continue efforts toward carbon neutrality.

A black and white photograph of a woman with blonde hair and glasses, smiling and holding a notebook. She is standing in front of a building with large windows. The DAAD logo is overlaid on the top left of the image.

DAAD

After the success of training modules in subjects such as “Proposal Writing” and other further training sessions for DAAD alumni, and in recognition of a great need and demand for skill enhancement among academics in Egypt, DAAD Cairo has developed and professionalized this concept and established the DAAD Kairo Akademie, with modules taking place since July 2011.

Under the umbrella of the DAAD Kairo Akademie, a cluster of modules targeting different groups such as prospective applicants for scholarship programmes, postdocs, alumni, scholarship holders as well as for academics in general has been developed in cooperation with professional trainers. Module topics range from traditional areas like “Proposal Writing”, “International Networking”, “How to present Scientific Data”, to soft skills like “Effective Time Management” or “Teambuilding”. During the one-day modules, groups of about 25 participants receive intensive training in the selected subject. DAAD intends to address the need for further education to help strengthen Egyptian students and researchers in international competition by offering opportunities for further training rarely found in universities and research institutions.



Madyan is an urban initiative that focuses on the urban challenges within the Egyptian context through research, consultancy & project management and realization. Madyan was founded in January 2017 by a group of enthusiastic and determined young professionals who come from diverse academic backgrounds in Architecture, Urban Planning & Development and Software Engineering. It is our belief that in order to preserve a bright future for all inhabitants, of present and future generations, smart and sustainable visions must be perceived as the only way to alleviate all urban communities. This cannot be achieved without the insurance of equal rights to the city. Effective community involvement & participation along with technological advancements are key aspects to achieve smart & sustainable communities. Our vision is to adapt development strategies which focuses on the social aspects of the community on the individual and communal level through education, information, capacity building and personal development.

The Urban Lab Camp aligns with our belief in the necessity of having educational and personal development programs that would work on the young professionals and prepare them for their professional careers. Madyan has collaborated effectively with the selection and filtration process for the applicants for ULC 2017 along with sending experts that would provide the ULC participants with necessary insights and know-how regarding modern Urban Development principles.



*Empowered lives.
Resilient nations.*

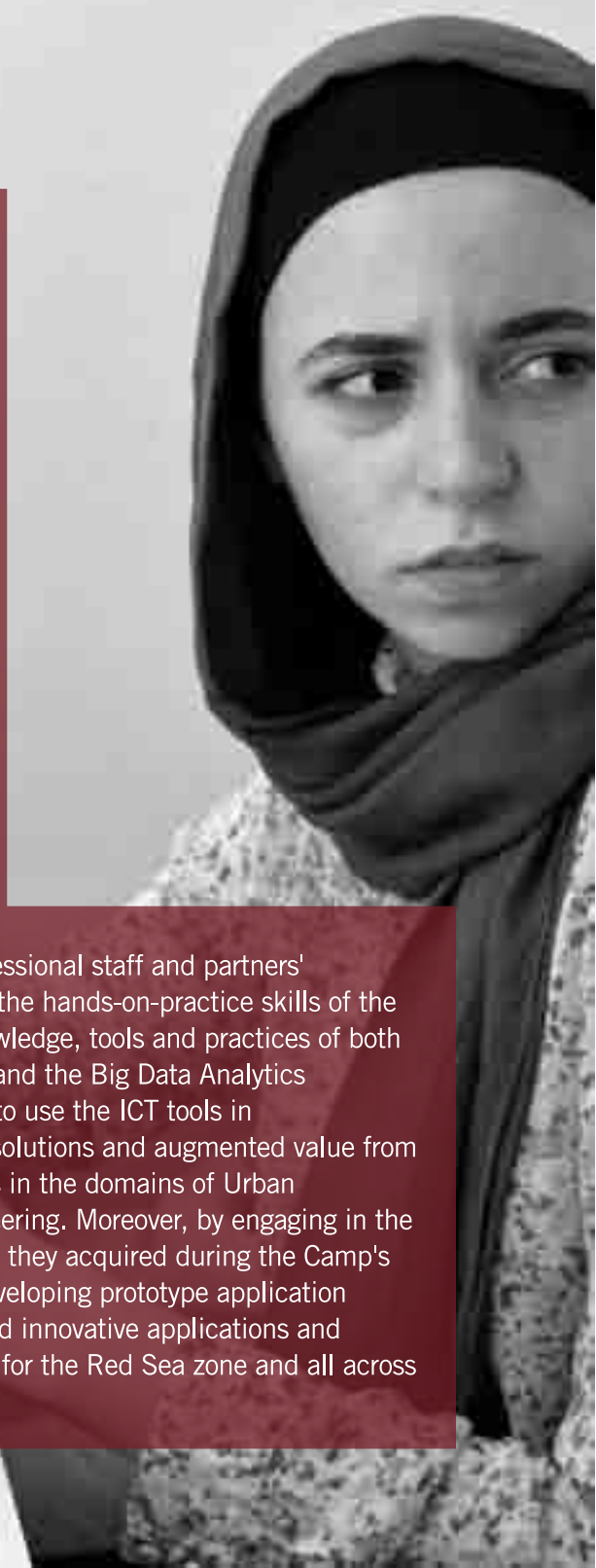
In UNDP, we are firm believers that as development challenges become increasingly complex, development stakeholders must design and adopt more innovative approaches to tackling them. Since UNDP launched the *'Innovations for Development Lab'* in 2014, the team has been intensively exploring and promoting new innovations tools and methodologies to engage and empower youth and support social enterprises to address national development challenges.

Innovation tools such as User Centered Design, Games for Social Change, Behavioural Insights, Alternative Finance and the highlight of this event: data. In Egypt, where we have 62% of the population under the age of 29, youth present a tremendous potential and we believe they hold the key to their own empowerment. Which is why we constantly seek out innovative ways to addresses unemployment, a key barrier to youth empowerment.

Through the urban lab camp, we support the participation of youth from all over the country, with a special focus on Upper Egypt. With ITI, we focused on building their capacities in the field of data analytics, thereby enhancing their employability and their entrepreneurship potential. We believe that the value of data lies in its use as a driver of economic growth, job creation, entrepreneurship and innovation and contributor to the advancement of the sustainable development goals and in improving the lives of people in this country.

As a leading institute in human capital development excellence, the Information Technology Institute (ITI) – the main ICT training arm of the Egyptian Ministry of Communications and Information Technology – plays a vital role in the development of the employment and the career advancement skills of Egyptian youth. ITI develops annually undergraduate and graduate scholarship programs and initiatives based on selected domain specializations that follow the latest ICT international industry trends. The scholarship programs include offerings for university undergraduate and graduate students and vary in time frame from 2 weeks to 9 months.

At the Urban Lab Camp, the ITI's professional staff and partners' workshops support the development of the hands-on-practice skills of the Camp's interns in tapping onto the knowledge, tools and practices of both the Geographical Information Systems and the Big Data Analytics discipline. Thus, the interns learn how to use the ICT tools in understanding, analyzing and deriving solutions and augmented value from the urging challenges and opportunities in the domains of Urban Development, Energy and Water Engineering. Moreover, by engaging in the 48hr hackathon, the interns apply what they acquired during the Camp's sessions and the ITI Workshops into developing prototype application projects that put into action creative and innovative applications and solutions that could be further adopted for the Red Sea zone and all across Egypt.



CAMP ACADEMIC PROFESSORS



AMR ABDELAAL

Amr Abdelaal is an urban researcher and practitioner with a strong interest in complexity theory of cities. He completed his master's degree in urban development at the Technische Universität Berlin. He has a broad spectrum of expertise where he gained his professional experience in urban planning, Geographic Information System, urban upgrading, urban mobility, and community development. His focus is on researching the implications of perceiving cities as complex systems. Recently, he among a group of young professionals founded Madyan, an urban initiative with an aim to contribute to alleviating our communities.

MATTHIAS BARJENBRUCH

Prof. Dr.-Ing. Matthias Barjenbruch is the Director of the TU Berlin Campus El Gouna since 2016 and head of the Department of Urban Water Management, at the Institute of Civil Engineering at TU Berlin since 2006.

His main research topics are wastewater and sludge treatment, advanced wastewater treatment, water re-use, water supply and water saving and water – energy nexus. Prof. Matthias Barjenbruch is member of the board of the German association of water, wastewater and waste (DWA), President of the DWA Section North-East and Chairman of specialized group of DWA: Group 2.8: "Advanced wastewater treatment". Also he is a member of the International Water association (IWA) and the German Association for Drinking Water and Gas (DVGW).



PETER BERTEN

Prof. em. Peter Berten, TU Berlin. 1995 – 2006 Head of the Design and Building Theory Unit at Faculty VI, Technische Universität Berlin. Freelance architect and partnership with ASK-group of architects, urban-planners and engineers in Berlin, mainly engaged with housing as new buildings, rehabilitation and preservation, urban design and urban planning, social service units for children and elderly people, schools and sport facilities and office- and business buildings. Visiting Professor at CAUP of Tongji University Shanghai. Development work and realization of prototypes for timber-frame constructions including energy-saving concepts. Since 2008 he has been involved with students in architectural survey and design projects in Ladakh.



MICHAEL BOLLKEMPER

Michael Bollkemper is responsible for the technical and analytical support in the department of water engineering. He has a wide range of working experience e.g. environmental office, commercial labs and industry. His main interest is Analytical Chemistry. Michael is organizing the labs, maintaining the lab devices and developing new methods for practical courses and research as well as performing quality control and quality management for the lab.



HASSAN ELMOUELHI

Hassan Elmouelhi, Urban planner, designer and architect, senior researcher, lecturer and project coordinator (RealCityLab project) at Habitat Unit-international urbanism and design, and department of Urban development - TU Berlin, Campus EL-Gouna. Through a DAAD scholarship (2010-2014) he obtained his PhD in Architecture - Habitat unit - Berlin Technical University with a research entitled: Culture and informal urban development- the case of Cairo Ashwa'eyat (informal settlements), B.Sc. and M.Sc. Cairo university, former guest lecturer at master program IUSD - Integrated Urbanism and sustainable design- Cairo (2015), he has participated as an expert in several international workshops and seminars about informal urbanism in several countries (India, Tanzania, Ecuador, Tunisia, Egypt and Germany). Guest lecturer at Bauhaus University in Weimar (2014-2016-Summer school: Cultural landscapes and urbanism) Between 2014 and 2016 he was the main coordinator for the DEVEPER research project, leading on the empirical research design and analysis.



SVEN-UWE GEISSEN

Prof. Sven Geissen started his activities in the MENA region more than 20 years ago when he initiated and coordinated a project in the EU-Avicenne initiative. Meanwhile he has successfully completed or applied for many projects with colleagues from Morocco, Algeria, Tunisia, Lebanon, Syria, and Jordan. His research interests are industrial water treatment, management, and reuse.

VOLKMAR HARTJE



Prof. Dr. Volkmar Hartje has been professor for Land Use and Environmental Economics at Technical University Berlin since 1987. He is author of numerous contributions in journals and books and has many years of comprehensive research experience in economic valuation of non-market benefits from nature conservation and environmental protection. Since 1996, various economic valuation methods with respect to different types of ecosystems and different research questions have been applied at his department. Examples encompass the conversion of forest and running waters ecosystems, water-related ecosystem services, ecologically sound flood protection at the river Elbe, alterations of ecosystem services by changes in land use and the implementation of a biodiversity strategy. Volkmar Hartje studied Economics at the University of Cologne and City Planning at Harvard University. He wrote his Ph.D. thesis on institutional-economic questions regarding marine use and did research on international environmental policy at the Science Center Berlin. Moreover, he was involved in the environmental management system of the Kreditanstalt für Wiederaufbau in Frankfurt/M.

AHMED KHALIL

Ahmed Khalil is an urban practitioner and researcher. He acquired his B.Sc. in Electrical Engineering, majoring Computer & Systems from Ain Shams University. He worked as a Software Engineer & Developer before joining the Urban Development master's program in 2013. After graduating he has been working as a Research Associate at Technische Universität Berlin Campus El Gouna and as a Senior Software Engineer focusing on developing smart solutions and platforms for Mobility & Transportation. His focus in research is Urban Mobility and its relation with the livability and resilience of communities. He is also one of the founders and driving forces of Madyan. Khalil is also the co-founder and project manager of the Urban Lab Camp.



ESLAM MAHDY



Eslam Mahdy is an Urban Planner with more than twelve years of practical experience in integrated design processes, housing projects, strategic and detailed masterplans. Since his graduation from the Faculty of Urban and Regional Planning, Cairo University in 2004, he has been working on various projects in several countries such as Egypt, Saudi Arabia, Qatar, Senegal and Germany. He also has a diploma of Economics and Development from the Institute of National Planning – Cairo (2008) and holds a Double Master's degree of Integrated Urbanism and Sustainable Design from the University of Stuttgart-Germany and Ain Shams University in Cairo-Egypt (2013). He followed this with a fellowship in Climate Engineering at Transsolar Academy focusing on research and projects related to energy efficiency measures in the built environment. In 2016, Eslam joined TU Berlin Campus El Gouna as a lecturer and research associate at the Department of Urban Development.

FARSHAD NASROLLAHI

Dr. Farshad Nasrollahi received a Doctor of Engineering in the field of Energy and Architecture in 2009 from Berlin Institute of Technology. In the meantime, he has worked as a research assistant at this university for some periods between 2006 and 2008. He received the DAAD Prize 2009 for the outstanding achievements made during his studies. His dissertation received the “Best PhD Dissertation Award in the field of Energy Conservation” from the Iranian National Energy Committee, IFCO and IEEE.

Between 2008 and 2013 he has worked as a full-time assistant professor in the Chair of Building Technology and Architectural Design of TU Berlin. The main research field of Farshad Nasrollahi and his teaching activities at this university focus on building energy simulation and energy-efficient architecture. He has also worked as a teacher at the TU Berlin Campus El Gouna, Egypt, the Isfahan University of Arts and Ilam University, Iran.



MICHAEL ORLOFF

Prof. Michael Orlof is graduated from Minsk Radio-Technical Institute (MRTI) in 1971 and began his work at Chair of Computer Engineering as lecturer-assistant and researcher. In 1978, he received his Candidate in Science (equivalent of PhD) at MRTI in two specialties (Dr. Dr. Sc. techn.) in Sankt-Petersburg Institute of Precision Mechanic and Optics. His interests include design of specialized computers, theory of CAD with methods of artificial intelligence, theory of large system modeling and development, inclusively applying the Theory of Inventive Problem Solving (abbreviation TRIZ – from Russian). He established private research and educational Academy of Modern TRIZ in Berlin, Germany and devoted his activity to TRIZ development and dissemination around the world. He is author for more than 25 textbooks and monographs. His current focused activity is to educate a new generation of engineers and managers to give them knowledge and skills to generate effective creative ideas and solutions in any field of activity. For this purpose he developed special methods of his Modern TRIZ.



DETLEF RIEBOW

After finishing his vocational training as an Industrial Mechanic (machine and plant engineering) and earning his degree in Mechanical Engineering at TU Berlin, Dipl.-Ing. Detlef Riebow started working in different fields of plant engineering (waste water treatment, chemical, industrial and power plants) as Project Engineer, Project Manager, CAD/CAE Admin and Head of Engineering and Design Department. He has been a Research associate in the 'Institut für Energietechnik' at TU Berlin. He then held the position of Deputy head of the nuclear reactor SUR-100 and had been in charge for complete dismantling; radiation safety officer (reactor + radionuclide laboratory) and safety representative. Since 2008, Detlef Riebow is part of the El Gouna Team. He is responsible for the laboratory in the EE-Department.



JÖRG RUDIGER

After his studies in Chemical Engineering at University of Karlsruhe focused on Combustion Technology and Thermal Process Engineering Jörg Rüdiger has been working as a development engineer in the sectors of water treatment plant engineering and biomass power plant design for more than 15 years. Having achieved technical implementation of projects on Climate Protection by thermal biomass conversion technologies, he researched simulation and application of closed material cycles under energy efficiency aspects at Brandenburg University of Technology and Beuth University of Applied Sciences. From there, he joined the team at TU Berlin Campus El Gouna in January 2016 in order to accompany the laboratory for Energy Engineering and to continue his research work on integrated renewable energy concepts focusing on the MENA-Region.



NADA SAMIR

Nada is an Architect and Urban developer. She started focusing on environmental solutions in the Egyptian context, based on her inspiration from Hassan Fathy's work. She obtained her master's degree at the Technical university of Berlin Campus El-Gouna, where she extended her research on cooperative-participatory development in socially deprived areas. Nowadays, with some bearing wall architectural renovations on the working schedule, Nada with other young developers and researchers founded a non-profit urban development firm "Madyan".



RUDOLF SCHÄFER

Prof. Dr. Rudolf Schäfer is the Founding Director of Campus El Gouna, Study Dean Urban Development. He is also the study Dean of the Masters program of Real Estate at TU Berlin. He also holds the position of President of the Conference of German Deans and Head of the department of Architecture, Regional Planning and Landscape Planning (DARL). He studied political science and law at the FU Berlin (Civil & Structural Engineering) at TU Berlin. In 1982, he was appointed professor of administrative law at FRSVR Berlin for six years. Since 1988, he has been working at the University of Applied Sciences, Berlin, as a university professor of construction law and construction management. From 1989 to 2010, Prof. Schäfer assumed the function of Dean of the Faculty of Architecture (Faculty of Planning Building Environment). In addition to the extensive teaching activities, there are numerous publications in the fields of construction and planning law, urban renewal, urban redevelopment, and urban development



DAVID SCHRÖDER

David Schröder is a research assistant at the department of Energy Systems at the Technische Universität Berlin. His research is focused on the establishment of new players in the energy market and dynamic energy system modelling. Before joining the TU Berlin David worked as a technical consultant in financing renewable energy and energy efficiency projects. David holds a master's degree in Renewable Energy Systems and studied at the TU Berlin and the Royal Institute of Technology KTH in Stockholm





SAHAR SODOUDI

Sahar Sodoudi is professor of Urban Climatology and head of the working group „Urban Climate and Health“ at Freie Universität Berlin. She studied Physics and has her PhD in meteorology. She has many years of experience in climate and urban climate modelling and is working on the interaction between climate change and urban heat island and its impact on outdoor micro climate, Building's energy demand and human thermal comfort. Since 2013, she is cooperating with 18 Egyptian Universities in the field of adapting sustainable urban development on the local climate change via establishment of „Urban Climate Labs“ in Egyptian Universities. Through her lectures in Urban Lab Camp, she tried to sensitize Egyptian students to the impacts of climate change in the cities and adaptation options.

UWE TRÖGER

Prof. Tröger's experience in the MENA-region is widespread. This is not only reflected in his research fields like sewage farms in Cairo, marine water intrusion in the delta of the River Nile, or water supply of Damascus. Prof. Tröger has also participated in building up the Higher Institute for Water Management in Syria, as well as the Zentralinstitut El Gouna of the TU Berlin being responsible for the academic curricula. Within the latter he is Dean of the Water Engineering Department.



NIKOLAOS TZOUPANOS

Dr. Tzoupanos, Laboratory Head at the Department of Water Engineering is responsible for the Water Chemistry labs as well as for several pilot-scale test stands. He is involved in several modules of the master's degree program, such as Water Chemistry and Water Supply/ Wastewater Treatment II as well as in the research activities of the Department. His research interests cover water and wastewater of any origin (i.e. municipal or industrial) treatment, treated water reuse and sustainable water resources management; further on, the development of alternative and/or innovative treatment techniques aimed to the removal of specific target pollutants and environmental pollution control, prevention and risk assessment.



DANIEL WOLF

Dr. Wolf is a researcher at Heliocentris Energy Solutions AG, a technology leader in the fields of distributed power solutions and energy efficiency services. Dr. Wolf conducted his PhD at the chair of thermodynamics of Ruhr-University Bochum. His research focus is on integration of renewable energy, particularly compressed air energy storage. As well the design of energy market mechanisms caught his attention.



FELIX ZIEGLER

Prof. Felix Ziegler is the Dean of the Faculty for Process Science of TU Berlin. Apart from his responsibility for the faculties undergraduate program and the graduate program "Renewable Energy Systems", He studied mechanical engineering in Technische Universität München, and received his Diploma in 1981. In TU München Prof. Ziegler also completed his Ph.D. in 1991 and a Doctor Habilitatus Degree in 1998. His research field is Evaporation, Absorption and Desorption; Absorption Chillers, Heat and Mass Transfer; Heat Pumps and Transformers; Sorption Power and Storage Cycles; Closed and Open Sorption Cooling Systems; Steam Jet Processes; Energy Systems Engineering.



CAMP GUEST LECTURERS



YASEEN ABDELGHAFFAR

Managing Director
SolarizEgypt

Yaseen holds a BSc in Chemistry from The American University in Cairo. He held managerial and technical roles in local and international companies including Edita Food Industries and ExxonMobil Egypt. His exposure to successfully operating companies and his experience within the energy sector has led to founding SolarizEgypt in 2013, where he currently holds the position of Managing Director.

ALAA ANWAR

Senior Development Manager
Al-Futtaim Group Real Estate

Alaa Anwar brings with him 17 years of experience in real estate sector, he joined Al-Futtaim Group Real Estate (AFGRE) – Egypt in 2007 as “Senior Development Manager” for Development of Cairo Festival City Project within the hospitality, residential, commercial and general infrastructure portfolios.

Alaa holds B.SC of Architectural Engineering from the Faculty of Fine Arts – Helwan University, he also holds a Master's Degree (MBA) in Project Management from the Victoria University of Switzerland, he also holds a Project Management Diploma from the American University in Cairo, and attended the Real Estate Executive Development Program provided by the American University in Cairo.



NOOR A. NOOR

Executive Coordinator Nature Conservation Egypt

Noor A. Noor is an environmentalist working in the field of biodiversity conservation and environmental education. Noor manages Nature Conservation Egypt (NCE), focusing on bridging conservation with economic development through promoting nature-friendly energy, responsible tourism and hunting management. Noor also works with Dayma Journeys in the field of educational environmental tourism, using biomimicry as a foundation for innovative design.



YOUSSEF SARHAN

Technical Sales Engineer SolarizEgypt

Youssef holds a BSc in Mechatronics, Robotics and Automation Engineering from the German University in Cairo. He kicked off his career as a supply chain capability specialist at Juhayna and then moved to the Oil & Gas sector as a Field Engineer at PetroServices Drilling Fluids. His wide field experience made him a perfect match for SolarizEgypt's needs as he currently holds the position of Technical Sales Engineer.



ABDELRAHMAN SHAZLY

**Junior Project Engineer
Karmsolar**

Graduated in 2014 with a bachelor of science in mechanical engineering from Purdue university. After spending some time in energy auditing, Abdelrahman joined Karmsolar in September 2015 as Junior Project Engineer.

AHMED ZAAZAA

**Researcher and Urban Designer,
Co- founder of 10 Tooba and Madd Platform**

Architect, Co-founder- Madd Platform

An architect, participatory planner and urban researcher and has over seven years' experience in urban mapping and participatory planning.

Ahmed worked with the community of Maspero, leading the design of the first participatory upgrade project to be implemented by the Ministry of Urban Renewal and Informal Settlements. Ahmed has also worked with the communities of Mit 'Okba and al-Kom al-Ahmar on repaving streets and redesigning public spaces.

Ahmed is also co-founder of Madd Platform, as well as the Built Environment Collective (MEGAWRA).





AHMED ZAHARAN

CEO

Karmsolar

Holds a MSc. in Economics from the University of London, a BA. in Business Administration & Finance from the American University in Cairo and a diploma from The European College of Liberal Arts in Berlin in Philosophy & Literature. He has 10 years of experience in renewable energy and carbon trading working at Shell in the UK and Tunisia, and working in Egyptian Kuwaiti Holding in Egypt. Ahmed is responsible for guiding, coordinating and overseeing the commercial and technical growth strategies of the company.



**CAMP
PARTICIPANTS
URBAN
DEVELOPMENT**



1. Reem Abbas
2. Mai Abdelkader
3. Hala Abdelaziz
4. Hoda Abdelmawla
5. Youstina Atef
6. Hellen Aziz
7. Mai Badr
8. Ahmed Bedair
9. Islam El Banna
10. Salma El Rouby

11. Sara Elamawy
12. Waleed Elshatlawy
13. May Elshobaky
14. Mennatallah Farghaly
15. Sarah Fathi
16. Marwan Fouad
17. Mona Gaber
18. Maram Gaber
19. Yara Galal



20. Salma Hasb El Naby
 21. Faten Hatem
 22. Dina Ibrahim
 23. Yaseen Jabr
 24. Youssef Kassem
 25. Nermeen Kenawy
 26. Marawan Magdy
 27. Suzan Mahran
 28. Dina Mamdouh
 29. Mahmoud Mohamed
 30. Richard Moines

31. Asmaa Nashaat
 32. Marwa Orfie
 33. Omar Ossman
 34. Mohamed Raslan
 35. Mohamed Sabry
 36. Amr Shalaan
 37. Barihan Soliman
 38. Shahenda Yousry
 39. Sara Zagholul

**CAMP
PARTICIPANTS
ENERGY
ENGINEERING**



1. Ahlam Abdallah
2. Nouran Abdelhady
3. Ahmed Abdelmegeed
4. Amr Abdelwahab
5. Nesma Abo Shanab
6. Nancy Ahmed
7. Sara Ahmed
8. Yasmine Allam
9. Abdelrahman Amer
10. Andrew Awad

11. Amal Badawy
12. Mahmoud El Fahl
13. Jillan El Rafey
14. Essam Elnaggar
15. Amr Essam
16. Marwan Essam
17. Karim Fahmy
18. Abdurahman Farouk
19. Mariam Hafez



20. Mariam Hamada

21. Ahmed Hanafi

22. Doaa Ismail

23. Mohamed Ismail

24. Mohab Maher

25. Hazem Mohamed

26. Omar Mohamed

27. Ahmed Mohammed

28. Shimaa Muhammad

29. Eslam Nassar

30. Mohammad Raafat

31. Mariam Sadek

32. Mohamed Said

33. Abdallah Shehata

34. Alaa El Din Siam

35. Sondos Yahia

36. Ahmed Yassin

**CAMP
PARTICIPANTS
WATER
ENGINEERING**



- | | |
|--------------------------|---------------------|
| 1. Hagar Abdelmohsin | 11. Karim Fouad |
| 2. Mohab Adel | 12. Peter Ghaly |
| 3. Mostafa Alamir | 13. Ahmed Hassan |
| 4. Anas Azzam | 14. Eman Hotaiba |
| 5. Moustafa El Shourbagy | 15. Sara Ismael |
| 6. Zeinab El Ghoul | 16. Adel Khaled |
| 7. Reham El Sayad | 17. Mohab Khalil |
| 8. Merna Emara | 18. Mariam Montaser |
| 9. Amir Essam | 19. Ahmed Raslan |
| 10. Rana Fahmy | 20. Omnia Salem |
| | 21. Yousry Youssef |









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