Korea University - WeGO Smart City Champions
Course on Smart City and Energy Transition

2022.09 - 2022.12 | Seoul

I. Course Background and Objectives

In collaboration with the Graduate School of Energy and Environment, Korea University, the World Smart Sustainable Cities Organization (WeGO) will converge its Smart City Champions through the course on "Smart City and Energy Transition." The course is designed to enrich the education of all students enrolled at the Graduate School of Energy and Environment, Korea University, as well as WeGO members. It provides a platform for participants to become acquainted with the diverse perspectives and experiences of major scholars and experts in the field of smart city development and energy transition. The guest lecturers are drawn from a range of disciplinary training (from science and engineering to law, policy and economics); a variety of professional experiences (including university and research institute scholars, business leaders, and nonprofit/non-governmental innovators); and are drawn from societies and communities throughout the world. The course is conducted online and offline, depending on guest speakers' location.

II. Course Lead Professor

- Professor YoonHee Ha (Korea University, helloyunie@korea.ac.kr)

III. Registration Period

- August 24, 2022 - September 9, 2022 by 11:59 pm (KST)

IV. Eligibility Criteria

- Must be a WeGO member
- Interest in smart cities, particularly in the field of energy and environment

* Limited space of 20 slots available

V. Course Schedule

September 2, 2022 - December 9, 2022 (15 weeks)

- Seoul Calendar: **Friday 10:00am~12:30pm** (for Korean speakers)
- North America Calendar(ET): Thursday 9:00pm~10:30pm (daylight saving season)/8:00pm~10:30pm (regular time) (for North American Speakers)

*For European and South Asian speakers, a different calendar will be followed:

- Seoul Calendar: Friday **5:00pm~6:30pm** (On the Seoul Calendar, class moves to the afternoon)
- London Calendar: Friday 9:00am~10:30am (daylight saving season) /8:00am~9:30am (regular time)
- New Delhi Calendar: Friday 1:30pm~3:00pm

- Johannesburg Calendar: Friday 10am~11:30pm [Accommodations are also being made for speakers from other geographic locations.]

Week	Dates	Lecturer (Position, Affiliation)	Careers	Lecture Topic
1	September 2	Overview		
2	September 9	Chuseok Holiday		
3	September 16	Alexandre Babak Hedjazi, Director	- Global Environment Policy Programme, Institute for Environmental Sciences, University of Geneva	Urban Retrofitting for Greater Resilience: Nature-Based Solutions
4	September 23	Graham Colclough, Partner Program Manager	- UrbanDNA - Shell	Energy Transition in the New Mobility Paradigm
5	September 30	Imai Jen-La Plante, Principle Data Scientist	- Green Climate Fund (GCF)	Big Data and Digital Transformation for Climate Change Action
6	October 7	Ursula Eicker, Canada Excellence Research Chair	- Smart, Sustainable, and Resilient Cities and Communities at Concordia University	Smart City & Sustainable Development Goals: SDG7 and SDG11
7	October 14	Ho-sun Chae, Officer for the Metaverse Seoul Team	- Seoul Metropolitan Government	Seoul's Smart City Metaverse
8	October 21	Jeffrey Ball, Professor (Stanford University)	- Scholar-in-Residence, Steyer-Taylor Center for Energy Policy and Finance - Environment Editor for Wall Street Journal	Energy policy and finance

9	October 28	TBD, Professor (Yale University)		Environmental Engineering
10	November 4	John Bryne, Distinguished Professor (University of Delaware)	- President of Foundation for Energy and Environment - Editor-in-chief of Wiley Interdisciplinary Review: Energy and Environment	Climate policy
11	November 11	TBD		Climate technology
12	November 18	Benjamin Sovacool, Professor, University of Sussex	- Editor-in-chief, Energy Research & Social Science - Co-Founder, Energy and Social Science Network	Energy policy
13	November 25	Clark Miller, Professor, Arizona State University	- Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory - Director, Center for Energy & Society of Arizona State University	Energy policy
14	December 2	Sharad Lele, Senior Researcher, Ashoka Trust	- Distinguished Fellow and Convenor, Centre for Environment & Development, Ashoka Trust for	Energy justice

			Research in Ecology and the Environment	
15	December 9	Job Taminiau, Senior Research Principal (FREE)	- Editor of Wiley Interdisciplinary Review: Energy and Environment - Winner of a first-place climate policy thesis award from CE Delft (Netherlands) and second place in the MIT Climate CoLab contest	Renewable energy policy and energy modeling

VI. Course Policy

Assignment:

- Weekly: (1) All students must upload a lecture summary of at least half an A4 page on the blackboard by noon the next day of class. (2) Each speaker's lecture material is available a week in advance. All students must review the material and upload at least one question by two days prior to class (noon on Wednesday). (3) Week 3 to 7 lectures will be provided in advance as video, actual lecture time will have a Q&A session with lecturers.
- Final-term paper: Select one of the lectures conducted until December 16, create an essay with the topic of the lecture, and upload it on the "Blackboard by 9:00 am until December 21". The pages should be no more than 7.

Attendance Requirement:

- Students who are absent more than two times in total are not qualified for a grade of A or higher. In case of unavoidable absences due to business trips, events, or conference participation, students must submit supporting documents in advance and obtain prof. Ha's approval. No more than two absences are permitted even for excused absences. A grade of A or higher will not be awarded even if three or more absences, including general absences and excused absences, are combined.
- (Grading) Attendance (30%), final-term essay (30%), lecture summaries (20%), class participation (20%)