

Division of Environmental Design	Research field	Atmospheric Environment Engineering	Lab. ID ED15
Laboratory web site	https://bit.ly/taikikankyou		
Research subjects			
Our researches cover various topics in air pollution and aerosol engineering fields, e.g., air pollution in Angkor monument area in Cambodia, environmental pollution caused by natural rubber sheet production in Thailand, development of samplers for aerosol nano-paricles and its application to the evaluation of ambient nano-particle contamination and personal exposure etc.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
In most of cases, a master course and undergraduate students are in a team for the same research topic, where the master course student leads activities under the supervision of mentors. Doctor course students work together with these groups as the leader or works alone.			
Daily life in the laboratory, etc.			
Seminars to share the status of research projects and information, once a week respectively. Meetings between mentors and each research group of students at every two weeks and as necessary.			
Message or comments by the laboratory faculty staffs			
Many foreign students from Asian countries are members of our group. Just do not hesitate to join!			
Recent Master theses in these 3 years (+ more if appropriate)			
year.month	Thesis title (including English translation of Japanese thesis title)		
2022.3	Long-term behavior of ambient aerosol nano-particles in urban area of Cambodia		
2022.3	Development of a simple nanoparticle monitor using light scattering		
2021.3	Human Behavior Analysis and Environmental Risk Assessment using Wi-Fi Packet Signals from Mobile Phones		
2020.9	Investigation on aerosol staining of airborne microbes		
2020.9	Behaviors and emission sources of ambient nanoparticles in East Asia area		
2020.9	Site-specific variation in ambient nanoparticles in North Sumatra Province-Indonesia		
2020.3	Study on analysis of carbonaceous components in particles non-uniformly captured on a collecting medium		
2019.9	Status and Seasonal Behaviors of Characteristics of Size Fractionated Airborne Particulates Down to PM0.1 in Sumatera Island-Indonesia		
2019.9	Investigation into dynamic health risk assessment taking into account number of persons in a focused environment		
2018.3	Influence of burning conditions of wood biomass on emitted amount of nanoparticles and particle-bound carbonaceous components		
2018.3	An investigation into a new methodology for nanoparticle separation: sharp-cut separation at small pressure drop by a combination of different separation technologies		
2017.9	Discussion on Characteristics of Ambient Nanoparticles in East Asian Cities based on Monitoring Campaigns by Nanoparticle Monitoring Network		
2017.9	Investigation into Aerosol Odor Behavior based on Characteristics of Removal and Desorption through Air Filtration		
2017.3	Development and application of ambient nanoparticles online monitoring technology		
2016.9	Investigation into Characteristics and Emission Sources of Ambient Nano-particles in East Asian Cities Using Nano-particle Monitoring Network		
2016.3	Investigation to microbial fluorescent staining behavior for real time measurement of airborne microorganisms		

2015.9	Investigation into characteristics of environmental nano-particles using East Asia Nano-particle Monitoring Network
2015.3	Investigation into emission source indices for air pollutants based on carbonous components – Characteristics of air pollution in Cambodia
2015.3	Atmospheric environmental loads related to biomass production and utilization
2014.9	Characteristics of Ambient Nano-particles in East Asian Cities
2014.3	Characteristics of air pollutants in urban areas in Cambodia and emission source indices
2013.9	Investigation into size distribution of standard test dust for performance evaluation of general ventilation air filter
2013.9	Behaviors and characteristics of environmental nanoparticles attributed to road transportations
Recent Doctoral theses in these 3 years (+ more if appropriate)	
year.month	Thesis title (including English translation of Japanese thesis title)
2021.3	Investigation into Characteristics and Emission Sources of Ambient Nano-particles (PM0.1)
2018.9	Investigation into Aerosol Staining for Bio-aerosol Online Monitoring
2016.9	Development of High Speed Sampling Technology for Environmental Aerosol Nanoparticles and Application to Environmental Dynamic Analysis
2016.3	Influences of Agricultural Activities, Forest Fires and Agro-industries on Air Quality in Thailand
2014.9	Development and Application of a Novel Technology for Evaluation of Personal Exposure and Online Monitoring of Environmental Aerosol Nanoparticles
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