Data Mining on Air Pollution Modelling as Impacts of Forest Fires (MAPFire)

We are pleased to inform you that Computer Science Department, Faculty of Mathematics and Natural Sciences in collaboration with Faculty of Forestry, Bogor Agricultural University Indonesia (https://ipb.ac.id/) will organize a summer course entitled ‘Data Mining on Air Pollution Modelling as Impacts of Forest Fires (MAPFire)’. The summer course will be held on 1 to 6 October, 2018 at IPB Campus Dramaga, Bogor Indonesia.

This summer course is ‘FREE OF CHARGE’ for participants. The organizers will provide local hospitality which includes local transportation, accommodation, meals and refreshments, and course material during the course. However, participating institutions are requested to support travel costs of the candidates.

For more information, please visit http://summercourse.apps.cs.ipb.ac.id/
Call for Summer Course
Data Mining on Air Pollution Modelling as Impacts of Forest Fires (MAPFire)
Bogor (ID), 1st – 6th October 2018

Description
Forest and land fires in Indonesia produce haze that spreads to neighboring countries causing "pollution". Haze causes decreased visibility that disrupts people as well as causing public health problems on air pollution modelling and haze dispersion have been conducted in order to identify areas most affected by the haze. Data mining as a growing research area has been successfully applied in extracting patterns from large datasets. This course gives you the recent development in pollution modelling, data mining, and developments on forest and land fire prevention and mitigation efforts in Indonesia. This course is an introduction to data mining, basic techniques in data mining, haze and pollutant datasets, and data mining techniques in analyzing pollutant datasets. This course is suitable for students and researchers who wish to conduct research on computer science, forest and land fires and related fields of study. Course participants will understand and explain technology developments and data mining methods in assessing the impact of forest and land fires as well as recent developments on forest and land fire prevention and mitigation efforts in Indonesia.

Teaching Method
1. General Lecture: 6 hours
2. Conceptual Lecture: 12 hours
3. Hands-on Practical: 12 hours
4. Field excursion: 8 hours
5. Independent task: 20 hours
6. Project presentation: 4 hours
Total: 62 hours

Invited Speakers and Lecturers

Prof. Dominick Spracklen
School of Earth and Environment
University of Leeds

Prof. St
School of Earth and Environment
University

Prof. Bambang Heru Sahar
Director of Regional Fire Management