# First Intelligent Transportation Systems Data Mining Hackathon

to be celebrated under the

**20th IEEE 20th International Conference on Intelligent Transportation Systems**

**Yokohama, JAPAN.**

http://www.itsc2017.org/

**Date and location:** October, 16. 2017. 8:00 to 18:00, at the conference venue.

**Topic:** The topic of this first edition will be NATURALISTIC DRIVING. We will set up a Kaggle competition to detect lane-changes upon data captured at a vehicle, on expressways around Nagoya University. The data captured include:

- Force on brake pedal [N]
- Force on gas pedal [N]
- Velocity [km/h]
- Steering angle [degree]
- Longitudinal acceleration [G]
- Lateral acceleration [G]

The evaluation of the submitted solution will be using the accuracy of the classification model developed. In case of tied solutions, the evaluation committee will decide with regard of the quality and interest of the presented solution.

## IEEE ITS DATA MINING HACKATHON
### 2017
◆IEEE

NAGOYA UNIVERSITY

Registrants at IEEE ITSC 2017 conference will have a complimentary registration at this competition, once selected. This includes food, coffee and tea during the whole competition.

We will select contestants upon evaluation of their resume. We will select up to 30 challengers in basis of their data science background and experience

Interested, please submit your resume to **javier.sanchez.medina@ieee.org** before August the 1st, with [ITS DM HACKATHON] as subject. We will share further details on the competition to the selected participants.

The winner of this challenge will receive a **certificate** and a prize of **2000$** to be delivered at the IEEE ITSC 2017 gala dinner, followed by a short presentation on the submitted solution at a plenary session of IEEE ITSC2017.

Sponsored by IEEE ITSC 2017, Nagoya University and IEEE Intelligent Transportation Systems Society.

**Organizers and Evaluation Committee:**

Kazuya Takeda, Nagoya University, Japan

Shunsuke Kamijo, University of Tokyo, Japan

Daniel Zeng, University of Arizona, USA

Javier J. Sanchez-Medina, ULPGC, Spain