



Mar. and Apr. 2016
月刊報告 2016年3,4月合併号

Monthly Report



Kogakuin University Solar Vehicle Project

Produced by Team media



Kogakuin university solar car (OWL) was exhibited in 2016 Junior Summit in Mie. The junior Summit ahead of the G7 Ise-Shima Summit is for youth participants from G7 countries. They will discuss key global issues. The main theme is "The Planet for the next generations: the environment and sustainable society.". NTN Corporation supports the junior summit and supplied specially-designed bearings for OWL. The team cooperates with NTN.



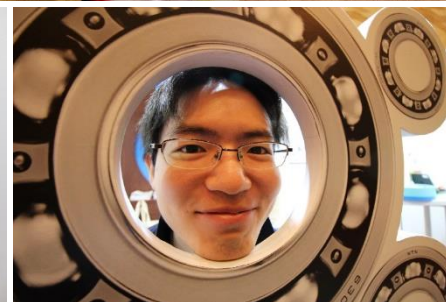
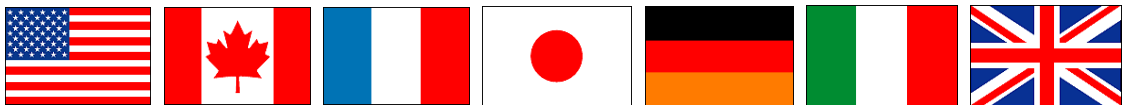


NTN

2016 Junior Summit in Mie

The deep groove ball bearing developed by NTN for the challenge offers JIS 5 class, which is two grades higher than the general JIS 0 class, to help improve turning precision. Steel balls have been changed to ceramic balls and the curvature of the rolling contact surface has been optimized in order to reduce the contact area and achieve a lower torque, while a low-viscosity grease with minimal agitation resistance has been used. These help to reduce rotation torque by 50% compared to conventional products. The resistance against penetration of foreign matter in preparation for driving through desert areas.

In addition to drive wheel motors, NTN bearings are used in driven wheel axle shafts to reduce rotational torque. This helps to deliver a high speed with minimal consumption of electrical energy, and also contributes to longer distance driving.





“Akishima Festival, あきしま環境緑花フェスティバル”

24th Apr.



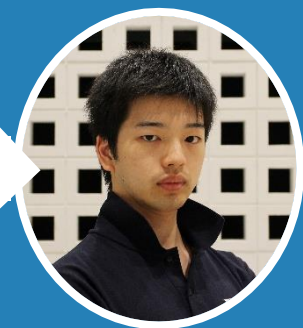


Solar Car Running Project in Hakone

The road is located on the west side of Hakone. The Ashinoko Skyline is one of the most beautiful locations with views of Fuji.
7 teams met up and ran the public road. 27th Mar.



E



Kazuki Furutachi

mechanical



Welcome!! The students of Okazaki Junior High School affiliated to Aichi University of Education visited our director to research the solar car and write high level reports. ようこそ。愛知教育大学岡崎中学校の学生さんが、ソーラーカー研究とレポートを書くために監督を訪問しました。中学2年生のときに調査したレポートはとてもハイレベルなものでした。訪問ありがとう！



GHクラフト 木村学会長 感謝祭に、木村会長から多大なご指導を頂いてきたOBとOGが全国から集まり参加させて頂きました
Thanks to Mr. Gaku Kimura



全学部・全学科
から
新入生が入部しました



編集後記

たくさんの新入部員が入りました
(学生リーダー 上原)

イベントにお越し頂きましてお礼申し上げます
(レース責任者 勝田)

空力解析で明け暮れる
(空力 吉本)





Team information

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twitter

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Youtube

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