CNT ROBOTICS NEWSLETTER

March-April 2018

In February and March, I taught two sessions of the "Weekend Robotics Experience" at UGA. For the final integration activity, the students participated in the customary SumoBot Competition, and you can watch the highlights at these web links:

https://www.youtube.com/watch?v=R3dEOtqT_aA

https://www.youtube.com/watch?v=FOIAa7xENmo

In late February, I released my first DREAM book on Amazon (https://smile.amazon.com/Learning-Robotics-ROBOTIS-DREAM-Systems/dp/099939181X) and its companion video site is at (https://www.youtube.com/playlist?list=PLtix7rPAJwqx4MqHfdzjOuHZY9fdNv8y7).

I have also recently started on my second DREAM book titled "Advanced Applications Programming with ROBOTIS DREAM Systems". This book is designed to bring an advanced reader, already familiar with my first book, to higher levels of applications programming by using the "hidden" SMART DEVICE features of the ROBOTIS TASK tool allowing the robot's controller CM-150 to collaborate with the R+m.PLAY700 Mobile App (Chapter 1), and also by applying the Edbot® Dream software tool to work with SCRATCH 2, Python® and JavaScript® (Chapter 2) and by interfacing the ROBOTIS OLLOBOT™ SDK to create custom Android® Apps via Android Studio® (Chapter 3). It is due in Fall 2018.

The EdBot Dream software tool is a recent release from Robotics in School (a United Kingdom outfit) – http://ed.bot/edbotdream. It is not "free" like the

ROBOTIS tools such as TASK/R+SCRATCH/PLAY700 and its price starts around £65 per robot. At present, it only works with BT-210 receivers and it is permanently "keyed" to each BT-210 receiver used. I had been experimenting with its SCRATCH interface and EdBot Dream allowed me to control two DREAM robots from a single SCRATCH project (https://www.youtube.com/watch?v=uPcgZm_R6cA). As a matter of fact, you should be able to control as many DREAM robots as your local BlueTooth Network can handle. For me, this is a significant advance in robotics programming since a long time.

Next time, I hope to share with you how "Thonny" (http://thonny.org/) works with the CM-150 and the EdBot Dream tool (i.e. Python programming with the CM-150).