



Buon Kiong Lau

RE: [EITF80] 2020 IEEE AP-S Student Design Contest

Dear Students,

As announced in the class today, we are encouraging students from this course to consider forming teams to enter the 2020 IEEE AP-S Student Design Contest.

At this point, we cannot be sure if we can put together enough resources to support more than one team (every team needs a mentor as well as an embedded PhD student, to stand a better chance to win), but if we have enough students to form two or more teams, we will try to find a solution.

Since there were more of you who took a copy of the flyer than I expected, let me provide you a link to the same information: <https://www.ieeeaps.org/call-for-submissions-2020-ieee-ap-s-student-design-contest/511>

The pdf version is available here: <http://enotice.ieee.org/link.cfm?r=MXangEHLpbXh2sy7bDtjwQ~~~&pe=tVaTX5UjJBWOHCPAS6Hz-IwiFOI2xHtASnctvAF-8ACKxmfCJNPgvr6JRpNXePUzoeQmL10eeRNocDJJTUPilQ~~~&t=ZbC01wJy96rHjH6wJhZyQw~~~>

The link to the video provided for the contest by the Lund University team (Gerhards Grabbar) that won the 2015 contest is: <https://www.youtube.com/watch?v=qEfrpRdtfSg>. The unusual team name is to honour their class teacher Prof. Gerhard Kristensson, as he retired after teaching them that year.

You can easily find more videos of the projects performed by semifinalist teams around the world by search in youtube for the keywords "IEEE AP-S Student Design Contest". As I mentioned, E-students from my course had been entering this contest every year since HT 2013, except for last year. One of the teams managed to get into semifinals (top 6 teams), although at that time they did not have the opportunity to travel to the annual conference to demonstrate their antenna system (which has since changed).

The amount of work needed to enter the first round is not very high, since the target is to prepare a 2-page proposal of the planned radar system by 30 November 2019. But it won't be easy, as you will be on a steep learning curve on relevant topics/knowledge, and you do need to spend your "free time" to do this. Think of it as a fun project and definitely a solid investment into your future, such as building a stronger CV and being exposed to something different from only studying and passing courses. Moreover, radar system is becoming mainstream due to cheap and low power options becoming more and more popular!

Furthermore, if your team makes it to the semifinals, you will get a project fund of up to USD \$1500 to build your proposed system, and you can use the design contest project as your course project, which means you will get course credits for doing it. You will also get funding to attend the biggest conference in the field of antennas and propagation (in Montreal next year). If you make it to the top 3, you will get prize money as well as the privilege of being able to publish your project report in a prestigious IEEE Magazine (which of course is very helpful for your future career).

Should you be interested, please try to form a team (up to 4 persons) by yourself and tell me of your interest by next Wed (2 Oct 2019). If you can't find a team, tell me of your interest and we will see what the situation is. Please provide the CV (1-page summary is sufficient) and academic transcript of every team member as well.

Thank you!

BR//
Vince