



IEEE Aerospace Electronic Systems Short Course Program

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► Strengths

- A number of programs have been successfully run in Europe, Australia and South America.
- Excellent feedback on courses
- First virtual short course ran in 2021

► Weaknesses

- Lost momentum during Covid
- Lack of awareness of the program
- Small number of speakers registered on the website – have they even given a course?

► Opportunities

- Spread the word through word of mouth, advertising electronically and through the Systems magazine
- Virtual short courses can be used to enhance the offering (perhaps use a more interactive platform)
- Industry and Education committee links

► Threats

- IEEE has an online seminar platform (<https://ieeexplore.ieee.org/courses/category/1>)
- Other industry courses and cheap online courses (need to highlight benefits of this program - interactive and can be configured to match the need of the host.)

- ▶ Joe Fabrizio 2015, 2019, 2021, 2022
 - 1 day course on Over the Horizon Radar
 - Targeted course for industry, 20-30 attendees for each course.
- ▶ Lorenzo Lo Monte 2017
 - 3 day course on Radar Systems Prototyping and Electronic Warfare
 - Open course, 45 attendees across defence, industry and academia.
- ▶ David Crouse 2019
 - 2 day course on Basic Algorithms for Target Tracking
 - Open course, 114 attendees (78 from defence, 8 university and 29 from industry).
- ▶ Mark Davis 2021
 - 4 day (3 hours per day) Virtual short course on Ultrawide Band Radar with beginner and advanced days.
 - Open course, 54 attendees across defence, industry and academia.



- ▶ **Planning For Returning To Normalcy From COVID19 Pandemic**
 - Enhanced offerings available – advertise for new presenters
 - Courses offered either online, in-person or perhaps hybrid?
 - Outreach to all AESS chapters and local industries – include some case studies.
 - Advertisement at conferences, System magazine and the AESS email blast
- ▶ **Quantify Attainable Metrics For Next 3 Years**
 - Run at least one short course in each IEEE region.
 - Increase awareness of the short course program through advertising and email contact to sections.
 - Reach out to the DLs and ask them if they would be prepared to turn their DL into a short course (aim for 5-10 new courses).
- ▶ **Collaboration opportunities**
 - Do we want to collaborate with other societies, i.e. signal processing, antennas and propagation?