**Draft:**

The white device in the middle of the picture is a radar and the clocks around it are visualization of elapsing time. My name is Qinghao Chen and I study radar scheduling technology.

Radar works like a sentry and it keeps monitoring objects in an open space, such as missiles in the sky. It is doing its job conscientiously, but it is not excellent at its work. Because its vision is extremely narrow and it may not notice an object even if the object is just in front of it. Although radar is not perfect, in practice it works well most of the time because we have some ways to fix it, but at the expense of time.

Time is precious, sometimes it will cost you a life. Imagine a critical moment, such as there are hundreds of missiles in the sky and radar only missed a few of them. Even if it is 99% accurate, people’s life is still at risk in this case. That is why I am working on radar technology and teaching radar the time management skill that humans own.

Remember the last time you had a few deadlines at hand. To schedule them, you put these deadlines on a list, looked at the list and thought for a while. And then you could come up with a reasonable schedule without much effort. This time management skill is part of human intelligence and it can be acquired by radar through artificial neural networks. It might not be coincident that radar performs best when it imitates how humans solve scheduling problems. In my experiments, radar learned much better and faster when the schedule problems are presented as images. In this case, radar is solving scheduling problems in the same way as humans.

Next time you see a radar on military ships, you will know it may have acquired human-like time management skill. It is not perfect, but it is here to protect you at its best. Thank you.

Questions: ending, ppt title.

**Picture link:**

<https://research.csiro.au/iuu/case-studies/radar-harvesting/>

<https://www.flaticon.com/free-icon/clock_109613>

<https://www.flaticon.com/free-icon/clock_223404>

<https://www.flaticon.com/free-icon/clock_3564797>

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<https://pngtree.com/freepng/wall-clock-icon-design-template-isolated_5934370.html>

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