Department: Informatics
Name: Phan Xuan Thien

Pre-course Assignment

1. My goals for the program
General goal: Improve my presentation in English skills
Specific goals:
- Learn how to have good preparation for presentation, including: how to organize documents/manuscripts for presentation, how to logically arrange/organize the contents to be presented, how to design and make good presentation slides.
- Learn how to present well even in front of a big audience, present the ideas or prepared contents in an attractive and interesting way, how to control speed and logical flow of presentation, how to consider/estimate its affects to the audience or reacts from audience (to decide to make it more funny or seriously, speed up or slow down the talk,...).
- Learn strategies of giving answers for audience's questions in a way that is clear, logical and simple enough to clarify the questioned issues and satisfy the audience.

My approach/method to achieve the goal:
- Learn knowledge and experience about presentation in English shared by teachers and other students.
- Watch presentations of teachers and other students to find out the advantages/disadvantages as well as consider/estimate their affects to the audience to gain other practical experiences.
- Practice presentation by any given chance during the course.

2. Presentation summary.

Good afternoon everyone. My name is Phan Xuan Thien. I'm from Vietnam. Currently I'm a PhD student of SOKENDAI and I'm working in the National Institute of Informatics under the supervision of Prof. Kensuke Fukuda. My research topic is related to Network Security, it is 'early-stage anomaly detection and mitigation in large-scale networks'.

Today I will explain about our research work toward the goal to archive a networking solution that can detect the anomaly in an early-stage and quickly react to mitigate the network traffic of potential attacks. My presentation includes 4 main parts: research motivation, proposed approach, experiment plan, desired results and potential application. By the end of the presentation I hope you will understand the importance of network security, especially the research topic that we are doing, and our proposal and plan to achieve our research goal, as well as the application and the benefits that our research may bring to protect the network systems of organizations and universities. During my presentation, please feel free to ask if you have any question.

The first part presents about an overview of network security problems that we are facing nowadays, the increasing number and scale of network attacks, the affects and

damages they cause for network systems in the world leading to the need to have efficient network anomaly detection and mitigation solutions. That is the strong motivation of our research. In the next part, I will explain about our proposed approach to solve the problem. Our solution includes 2 modules: anomaly detection module and mitigation module. The anomaly detection module is responsible for extract the necessary features of network traffic, analyze them to find out anomalies, which are considerably from network attacks. The mitigation module take detecting results from the anomaly detection module as an input, make decision on the reaction to be applied for mitigating attacks then process it to protect the network system. The next part presents about our plan for experimenting our solution. It shows the way we deploy the system, laugh experimenting attacks, as well as the metrics we plan to use to evaluate the effective of our solution. In the final part, I will explain about the results that we plan to achieve and the potential application of our research. If we successfully achieve a complete anomaly detection solution, it can be potentially applicable for protecting network systems of public organizations, companies and universities.

Thank you very much for listening.

3. Pre-course questionnaire

Name: Phan Xuan Thien
Nationality: Vietnamese
Seminar name: Early-stage anomaly detection and mitigation in large-scale networks
Field of study & target degree: Computer science, PhD.

How many English Poster Presentation have you done?

I have chances to present some papers in some scientific conferences before, but I've never presented any English poster presentation yet.

What difficulties do you encounter when presenting?

In presentation I sometimes have difficulty in controlling/estimating the feeling of the audience about my presentation when it is still in progress (e.g. does the audience clearly understand what I'm presenting/talking, is my presentation attractive/interesting for them,...). Sometimes my talk/presentation seems to be more serious than it should be (this may make the audience feel nervous), and it is quite difficult to find out the way to decrease that seriousness (e.g. breaking the talk by saying funny sentences,...) to attract the audience and make the presentation more interesting.

Any comments/ questions/ requests?

Could you please share some experiences about how to keep the talk/presentation controllable (and attractive enough) when there are noise or distraction from the audience (e.g. when there is a lot of noise from the audience, or the audience seems not to be so care about what I'm talking about,...)?

Could you please share some experiences about how to attract the audience and how to create good interaction with the audience during presentation?