Personal Paper Project (PPP)

Instructions

Session of 12th May, 2022.

How to upload, present and defend it

Prof.: Joaquín Recas, Prof: Guillermo Botella

Sec

PPP Briefing of today

■ Instructions regarding personal paper project

– 1) Send your idea to us (email) by a brief report

• {jrecas, gbotella}@ucm.es

– 2) Send the project to us

– 3) Defend the project

PPP Briefing of today

- Instructions regarding Personal Paper Project
  - **1) Send your idea to us (email) by a brief report**
    - {jrecas,gbotella}@ucm.es
    - Pdf file. 1 page maximum
    - Use diagrams or graphic if needed
- As a suggestion, some points to answer as a guide:
  - What is the objective of your personal project?
  - In what scenarios can be used this work? How will its adequacy be assessed?
  - To what problem are the solutions going to be compared?
  - What analysis will be developed to make the comparison?
- You will receive feedback related to it
  - Accepted, major revision, minor revision, reject.

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PPP Briefing of today

- **Some topics (suggestions):**
  - Tools for security analysis
  - Exploitation of REST API vulnerabilities in an IoT environment
  - Computer Security in Industry
  - Security in the Software Development Life Cycle
  - Exploit IoT vulnerabilities with GNU radio
  - Exploit Security mechanisms imposed by IOS and Android for IOT mobile applications
  - Shodan tool: The device search engine
  - Risks with RFID cards
  - Fuzz Testing in IoT
  - Vulnerabilities in cloud-based systems
  - Exploitation of communication protocols such as BLE, ZigBee, 6LoWPAN and zWave through insecurities and vulnerable implementations
  - Attack vectors on utility vehicles using CAN BUS
  - Applied Cryptography
- Etc.

PPP Briefing of today

■ Instructions regarding personal paper project

   – **2) Send your personal paper project to us (email)**

      • {jrecas, gbotella}@ucm.es

      • Pdf file. 15 pages maximum

      • Use diagrams or graphic if needed

      • Apply the feedback received

   – **Deadline to send your personal paper project 30th May**

PPP Briefing of today

■ Instructions regarding personal paper project

- **3) Defend the project**
    - It will be the last week of the course (31th May, June 1st, June 2$^{nd)}$
    - The professors will talk with you **individually** 5-10 minutes
        - The way to defense your PPP will be flexible
        - You can use a brief presentation if desired
        - You can use the chat, etc..

    - The sessions will be organized in individual slots

PPP Briefing of today

- Instructions Regarding personal paper project
  - **3) Defend the project**
    - The sessions will be organized in individual slots
    - First day (Tuesday 31th May)

1- YANG	CHU	Yang (Mr Potato)
2- SHUISHI	ZHOU	
3- YAN	ZHAO	Marvin
4- ZHAO	HU	EdWARD
5- QIUJI	CHEN	Leo
6- XIAOLAN	LI	Cassidy
7- JIANCHUANG	ZHANG	
8- XIONGLAN	LUO	Luo
9- WEILIN	ZHANG	Eirin
10- YONGTAO	HE	Iván
11-ZHIJUN	HAO	Jenny
12- JUNYAN	GUO	James

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- Instructions Regarding personal paper project
  - **3) Defend the project**
    - The sessions will be organized in individual slots
    - Second day (Wednesday, 1st June)

13- HONGBIAO	CAO	Bell
14- GONGLU	ZOU	Nick
15- JIALI	GAO	
16- JIAYUN	PAN	Ivonne
17- LIU	JINHUA	Liu
18- HUANG	YUJUAN	July
19- DUAN	ZHEN	Joey
20- HU	HAO	Hao
21- YUANSHUANG	SHA	María
22- GUANJIE	XIAO	Sean
23- DONGYANG	XU	Leo
24- XUEQING	ZHAO	Jenny

PPP Briefing of today

- Instructions Regarding personal paper project
  - **3) Defend the project**
    - The sessions will be organized in individual slots
    - Third day (Thursday, 2nd June)

25- WEI	REN	David
26- SUIZHI	LIU	Gigi
27- JUN	SHOU	Messi
28- YOURAN	TIAN	Emily
29- TIANFENG	LI	Tin
30- YI	ZHANG	Aston
31- FENGFENG	GU	Bonny
32- WENYAN	LIAO	Yasmine
33- BIN	ZHANG	?
34- YINGHUA	LIAO	Lisa
35- JIEPING	YOU	Omen
36- QINGHONG	YU	Hong
37- XIAZU	HU	Summer

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