Project: Enigma Machine and Turing-Welchman Bombe

Maria Camila REMOLINA GUTIÉRREZ maria.remolina_gutierrez@telecom-sudparis.eu

Advisor: Prof. Eric RENAULT

April 19, 2019

Abstract

This is the work proposal to follow in the course Project as part of the master M1 in Computer Science and Communication Networks at Télécom SudParis. The goal is to implement the Enigma machine used in World War II, followed by the Bombe machine that breaks the cipher, created by Alan Turing and Gordon Welchman at Bletchley Park.

1 Introduction

Aquí texto.

2 General Goal

Aquí texto.

3 Specific Goals

- Objetivo 1
- Objetivo 2
- Objetivo 3
- ...

4 Methodology

Aquí texto.

5 Work Schedule

Tareas \ Semana	s 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	X	X						X	X							
2		X	X		X	X	X			X	X	X		X	X	
3				X				X				X			X	
4	X	X	X	X	X	X	X	X	X	X						
5					Χ				Χ			X			X	

- Tarea 1: Descripción de la tarea 1
- Tarea 2: Descripción de la tarea 2
- Tarea 3: Descripción de la tarea 3

• ...

References

- [1] J. Banks. *Discrete-Event System Simulation*. Fourth Edition. Prentice Hall International Series in Industrial and Systems Engineering, pg 86 116 y 219 235, (2005).
- [2] P. Bronner, A. Strunz, C. Silberhorn & J.P. Meyn. European Journal of Physics, 30, 1189-1200, (2009).
- [3] P. Dï $\dot{\iota}_{2}^{\frac{1}{2}}$ az & N. Barbosa: Obtenci $\ddot{\iota}_{2}^{\frac{1}{2}}$ n de n $\ddot{\iota}_{2}^{\frac{1}{2}}$ meros aleatorios. Informe final del curso Laboratorio Intermedio. Universidad de Los Andes, Bogot $\ddot{\iota}_{2}^{\frac{1}{2}}$, Colombia, (2012).
- [4] A. Stefanov, N. Gisin, O. Guinnard, L. Guinnard & H. Zbinden. Journal of Modern Optics, 47:4, 595-598, (2000).

Advisor Signature

Student Signature