

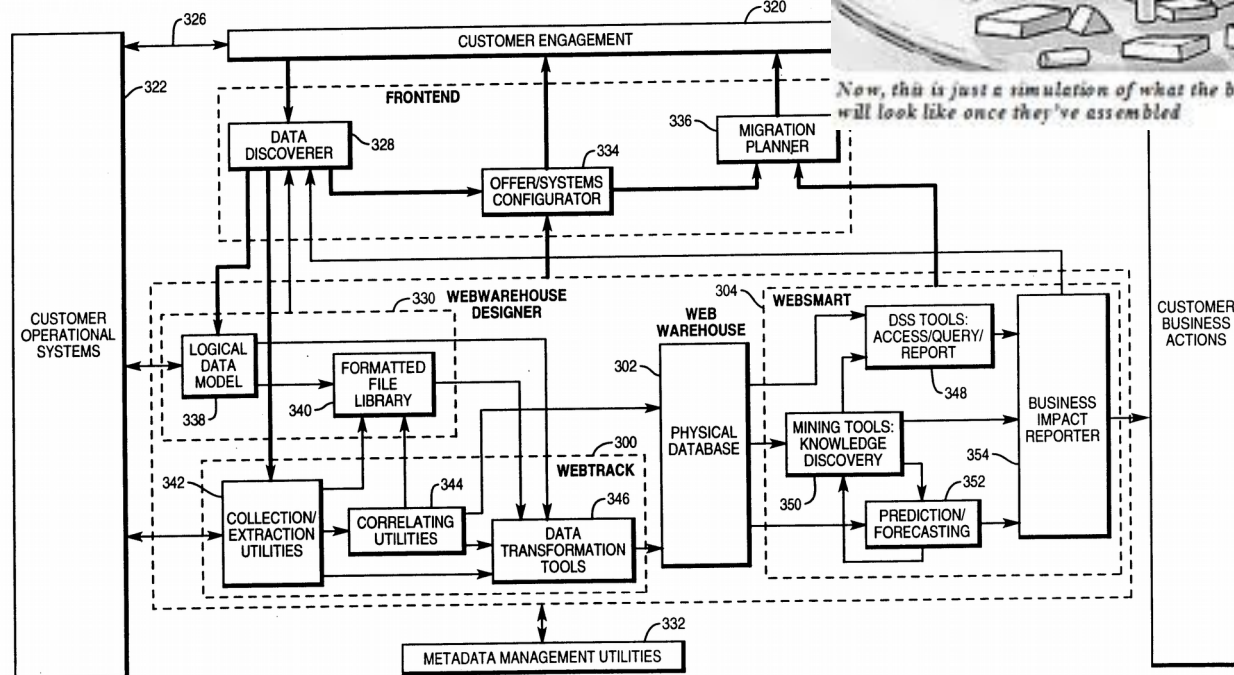
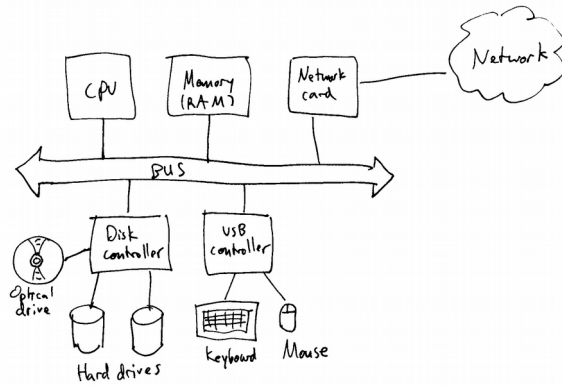


Computer Architecture - 22966 -

Carlos J. Barrios H., PhD.
cbarrios@uis.edu.co
@carlosjaimebh



Almost a Child's Play





About the Course

- Theoretical Magisterial Sessions
 - Conducted by C. J. Barrios Hernández, PhD.
- Theoretical - Practical Sessions
 - Conduced by Postgraduate Students and Personal of SC3UIS and CAGE
- Special Seminars
 - Invited People of Research Centers or Industries
- Webminars and Video Talks
 - TED or others...

About Teaching and Instruction

○ **Carlos Jaime Barrios Hernández, PhD.**
cbarrios@uis.edu.co



- Director of High Performance and Scientific Computing Centre SC3UIS (www.sc3.uis.edu.co) soon Colombia Advanced Computing Center
- Assistant Professor EISI/UIS (<http://cormoran.uis.edu.co>)
 - Systems Engineering UIS, Bucaramanga, Colombia (2002), Master in Mat. Applied, Systems and Informatics UJF-Grenoble I, Grenoble, France (2005) (Now Université de Grenoble-Alpes), Computer Science and Informatics Doctor, UNSA, Nice-Sophia Antipolis, France (2009), Now Université de Nice-Côte d'Azur PostDoctoral Research, I3S/CNRS, Sophia Antipolis, Francia (2010).
 - Researcher in High Performance and Scientific Computing (LIG, I3S/CNRS, INRIA (France), GPPD/UFRGS (Brazil), SC3UIS (Colombia)) and International Instructor in HPC and SC (ICTP/UNESCO (Italy), SCCAMP).
 - Consultor in Advanced Computing and Large Scale Architectures
 - Chair of the Advanced Computing Services for Latin America and Caribbean (SCALAC)

Contact: EISI Block : LP 226, PTG/EDI 205 or SC3UIS Space 4to Floor CENTIC
Please, Send an email before for rendez-vous

Program

See: http://wiki.sc3.uis.edu.co/index.php/Arquitectura_de_computadores

- 58 Hours Program
- Theoretical Sessions (LP 104) (Starts at 06:15) **Please, Punctuality**
- Theoretical – Practical Sessions (CENTIC) (Starts at 6:15)
- Each Job to submit, will be send to the both emails with the subject “PractArq-XX, 10 minutes before the end of the session (7:50). Ex: PractArq-1
- Evaluations (Programation in the site)
 - Individual with material
 - Individual without material
 - Couples with material
 - Couples without material

All Evaluations are in normal courses session and starts at 6:00



Content

1. History
2. Arithmetic of Computers
3. Computer Abstractions and Technology
4. Processors and Memory
5. Storage and I/O
6. Multicores and Multiprocessing
7. Graphics and Visualization
8. Hot Topics and Trends



Evaluation

- **Written Evaluations (60%)**
 - **2 Individuals**
 - **1 By Peers**
 -
- **Project (40%) - 3 or 2 Participants**
 - **Subjects available 1/02/2018**
- **Article (20%)**
 - **In Spanish but follow technical aspects for research and technical papers**
- **Oral Presentation (20%)**
 - **5 Minutes!**



Important Dates

- See in the site : www.sc3.uis.edu.co
 - Wiki
 - Courses
 - Computer Architecture



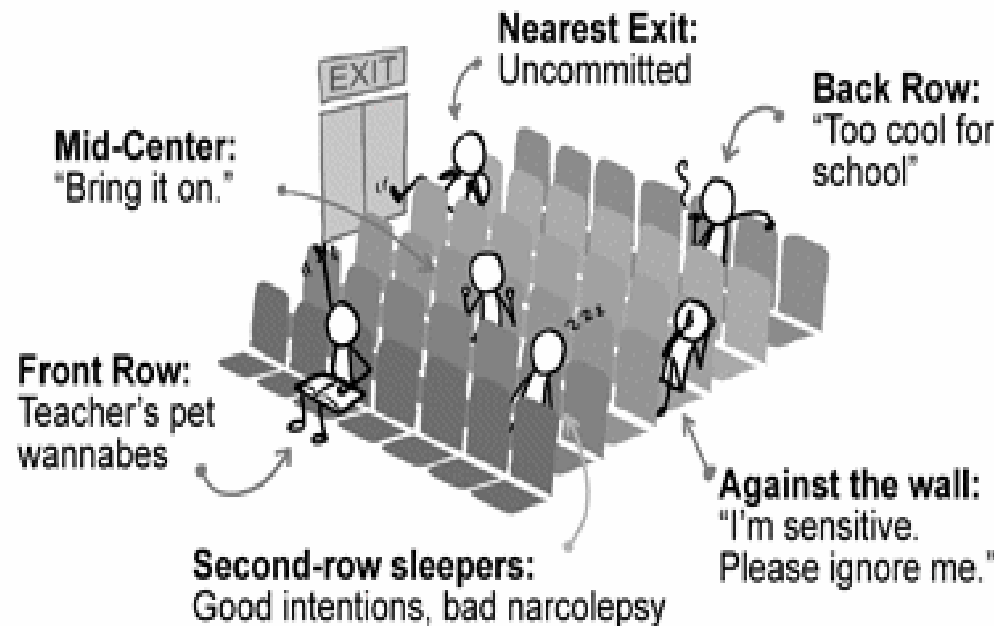
Important Notes

- All Available materials in English (International Technical/Scientific BAD English)
- All material is available in the wiki site, please, read before the courses and seminars
- If you need some rendez-vous, please send me an email before (cbarrios@uis.edu.co)

Questions?

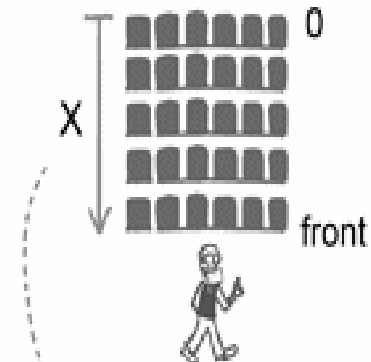
WHERE YOU SIT IN CLASS/SEMINAR

And what it says about you:



WWW.PHDCOMICS.COM

Proximity to Lecturer:



$$X = \frac{\text{How much you care}}{\text{How sleepy you are}}$$

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