Software Engineering Research

SERLAB
Research Group Meeting

Presentation

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⇨ **Short CV**

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Short CV

⇨ **Education & Training**

- ❑ BsC and MsC in Computer Science (UCLM)
- ❑ Data Protection Universitary Expert (UNED)
- ❑ CISA (Certified Information Systems Auditor - ISACA)

⇨ **Work Experience**

- ❑ Research Assistant in Alarcos Research Group (3 years)
- ❑ Information Systems Auditor (ISO 12207 & ISO/IEC 15504) (as auditor in practices)
- ❑ Teacher in VIU (International University of Valencia)
  - ▪ Risk, Security & Legislation in Information Systems
- ❑ Associate Professor in UCLM
  - ▪ Computer Networks II
  - ▪ Data Structures
- ❑ Co-founder of DQTeam S.L. Spin-off UCLM
- ❑ Co-founder of CireBits Junior Enterprise

Short CV

⇨ **International Standards**
  - ❏ National Expert ISO 8000 (ISO TC184/SC4 WG23)

⇨ **Publications**
  - ❏ Carretero, A. G., Gualo, F., Caballero, I., & Piattini, M. (2017). MAMD 2.0: Environment for data quality processes implantation based on ISO 8000-6X and ISO/IEC 33000. Computer Standards & Interfaces, 54, 139-151.
  - ❏ Carretero, A. G., Freitas, A., Correia, R., & Piattini, M. (2016). A case study on assessing the organizational maturity of data management, data quality management and data governance by means of MAMD. In *Proceedings of the 21th International Conference on Information Quality (ICIQ)*.
  - ❏ Carretero, A. G., Caballero, I. & Piattini, M. (2016) Evaluación del nivel de madurez de datos usando MAMD: un estudio de caso. Pp 1-14. CIBSE – Quito, Ecuador.
  - ❏ Carretero, A. G., Caballero, I. & Piattini, M. (2016) MAMD: Towards a Data Improvement Model based on ISO 8000-6X and ISO/IEC 33000. Pp 241-253. SPICE Confence - Dublin, Ireland

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⇨ **Doctoral Dissertation**

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Doctoral Dissertation

⇨ Provisional Tittle:

❑ A framework for the construction and adaptation of evaluation models for data management, data quality management and data governance.
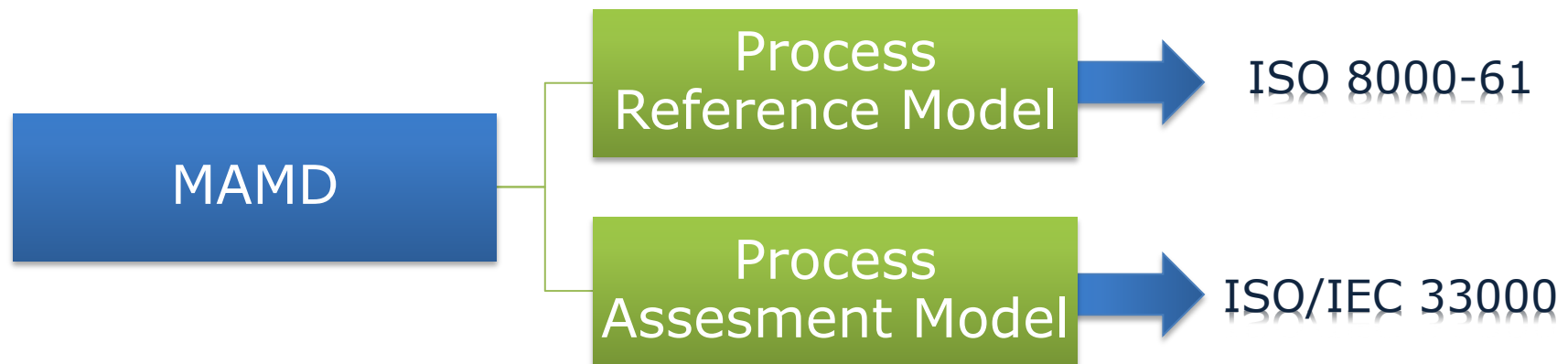
▪ Alarcos' Model for Data Improvement (MAMD)
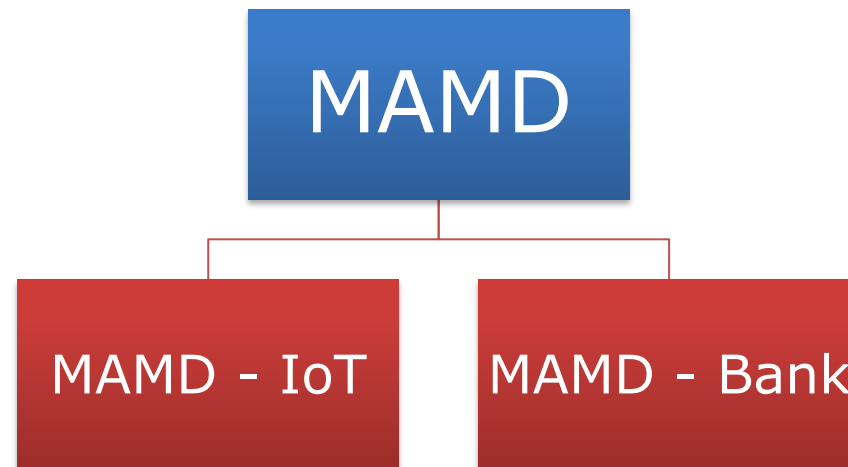
Doctoral Dissertation

⇨ **Objectives**

- ❑ O1. To define a process reference model of data processes.

- ❑ O2. To develop an assessment model of organizational maturity for data processes.

Doctoral Dissertation

⇨ **Objectives**

- ❑ O3. To develop a certification methodology of data processes organizational maturity.

- ❑ O4. To develop a bank sector and internet of things specializations of the framework of data processes.

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⇨ **Mobility Plan**

⇨ Publications plan

Software Engineering Research

Mobility Plan

⇨ Kiel, Germany (2017) ✅

⇨ Bari, Italy (Currently) 📍

❑ Under direction of Dr. Danilo Caivano

❑ 6 Months

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⇨ **Publications plan**

Publications Plan

⇨ **Journals:**

- ❑ (To determine Conference/Journal) (2018): Organizational maturity models for Data Processes: A Systematic Mapping Study.

- ❑ Journal Proposal: Data and Knowledge engineering (2018). Case Study on assessing the organizational maturity of data management, data quality management and data governance by means of MAMD on Italian organization.

⇨ **Conferences:**

- ❑ (To determine Conference/Journal) (2018): A case study on assessing the organizational maturity of data management, data quality management and data governance by means of

⇨ **Doctoral seminars:**

- ❑ UCLM Doctoral seminars (2018): Environment for data quality processes implantation based on ISO 8000-6X and ISO/IEC 33000.MAMD on university library.

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