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| --- | --- | --- | --- |
| Artigo | Contribution Type | Focus Area | Research Type |
| A Gap-Analysis-based Framework for Evolution and Modernization (2012) | Process | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research:  E  Conceptual proposal |
| An empirical comparison of static and dynamic business process mining (2011) | Process  E  TOOL | **Approach to support business process** | Evaluation research:  E  Experience paper:  E  Solution proposal: |
| Crossing the boundaries while analyzing heterogeneous component-based software systems (2011) | Process  E  TOOL | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research:  E  Experience paper: |
| Integrating event logs into KDM repositories | Metamodel  E  Model transformation | **Extension of ADM's metamodels** | Evaluation research: |
| Process mining through dynamic analysis for modernising legacy systems (2012) | Metamodel  Process  E  TOOL  E  Model transformation | **Approach to support business process** | Evaluation research:  E  Solution Proposal |
| A Component-Oriented Metamodel for the Modernization of Software Applications (2011) | Metamodel  E  TOOL  E  Model transformation | **Extension of ADM's metamodels** | Evaluation research:  Solution Proposal |
| A family of case studies on business process mining using MARBLE (2012) | TOOL  E  PROCESS  E  Model transformation | **Approach to support business process** | Evaluation research:  E  Experience paper: |
| A Model Driven Modernization Approach for Automatically Deriving Multidimensional Models in Data Warehouses (2007) | PROCESS  E  Model transformation | **Approach to modernize legacy systems to another platform/architecture** | Conceptual proposal: |
| An ADM Approach to Reengineer Relational Databases towards Web Services (2007) | PROCESS  E  Model transformation | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research |
| An Extensible Architecture for Detecting Violations of a Cloud Environment’s Constraints During (2011) | TOOL  E  PROCESS | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research  E  Solution proposal: |
| Automatic conformance checking for migrating software systems to cloud infrastructures and platforms (2012) | TOOL  E  PROCESS | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research  E  Opinion Paper |
| Database schema elicitation to modernize relational databases (2012) | Process  E  Tool  E  Model transformation | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research |
| Extracting Business Rules from Existing Enterprise Software System (2012) | Process | **Approach to support business process**  **E**  **Extension of ADM's metamodels** | Evaluation research |
| Harmonized and Reversible development framework for HLA based interoperable (2011) | Process | **Approach to modernize legacy systems to another platform/architecture** | Conceptual proposal:  E  Opinion paper |
| Implementing Business Process Recovery Patterns through QVT Transformations (2010) | PROCESS | **Approach to support business process** | Evaluation research |
| MoDisco- A generic and extensible framework for model driven reverse engineering (2010) | TOOL | **Approach to modernize legacy systems to another platform/architecture** | Conceptual proposal: |
| PRECISO- A reengineering process and a tool for database modernisation through web services (2009) | PROCESS  E  TOOL | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research:  E  Experience paper:  E  Solution proposal: |
| A model-driven process for the modernization of component-based systems (2012) | PROCESS | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research:  E  Experience paper:  E  Solution proposal: |
| An Architecture-Driven Modernization Tool for Calculating Metrics (2010) | TOOL  E  METRICS  E  Model transformation | **Applicability** | Evaluation research: |
| An overview of the knowledge discovery meta-model (2012) | PROCESS | **Applicability** | Opinion Paper |
| MARBLE. A Business Process Archeology Tool (2011) | PROCESS  E  Model transformation | **Approach to support business process** | Evaluation research: |
| Empirical Assessment of Business Model Transformations Based on Model Simulation (2012) | Model transformation | **Approach to support business process** | Evaluation research: |
| Knowledge Discovery Metamodel-ISO IEC 19506 (2011) | Model transformation | **Applicability** | Conceptual proposal: |
| **MIGROS: A Model-Driven Transformation Approach of the User Experience of Legacy Applications (2012)** | Model transformation  E  Process | **Approach to modernize legacy systems to another platform/architecture** | Conceptual proposal: |
| **MIMOS. System Model-Driven Migration Project (2013)**  **AQUI** | PROCESS  E  TOOL  E  MODEL transformation | **Approach to support business process** | Experience paper: |
| **Modernization of Legacy Web Applications into Rich Internet Applications? (2011)**  **AQUI** | PROCESS  E  Tool  E  Model transformation | **Approach to modernize legacy systems to another platform/architecture** | Solution proposal |
| **On the use of ADM to Contextualize Data on Legacy Source Code for Software Modernization (2009)**  **AQUI** | Model transformation  E  PROCESS | **Approach to modernize legacy systems to another platform/architecture** | Opinion Paper |
| **PRESSWEB: A Process to Reengineer Legacy Systems towards Web Services (2007)**  **AQUI** | PROCESS | **Approach to modernize legacy systems to another platform/architecture** | Opinion Paper |
| **Reconstructing Architectural Views from Legacy Systems (2012)**  **AQUI** | Model transformation  E  PROCESS | **Approach to modernize legacy systems to another platform/architecture** | Evaluation research: |