6 Publications

	Internationales	Nationales	**Total**
Revues	7	5	12
Conférences	24	11	35
Workshops	12		12
Chapitres de livre	2		2
Edition d'actes	1		1
En cours de soumission	1		1
Total	**47**	**16**	**63**

6.1 Classement par thématique

AXE$_1$: Method integration [$^{2022}_{(WI)}$DETECT, $^{2019}_{(WI)}$TTC, $^{2014}_{(WI)}$HOFM, $^{2013}_{(CN)}$AFADL, $^{2013}_{(CI)}$EMMSAD, $^{2010}_{(CN)}$AFADL, $^{2009}_{(CI)}$EMMSAD, $^{2009}_{(CN)}$INFORSID, $^{2009}_{(CN)}$SafeModel, $^{2008}_{(CI)}$ICEIS, $^{2007}_{(BC)}$Chapter, $^{2007}_{(JI)}$FMSD, $^{2007}_{(JN)}$TSI, $^{2007}_{(CI)}$ICSEA, $^{2006}_{(CN)}$INFORSID, $^{2006}_{(JI)}$IST, $^{2006}_{(WI)}$SEW, $^{2006}_{(CN)}$AFADL, $^{2005}_{(CI)}$ICFEM, $^{2004}_{(WI)}$FMICS]

AXE$_2$: Formal Model-Driven Security [$^{2023}_{(CI)}$CRISIS, $^{2020}_{(WI)}$SecureMDE, $^{2017}_{(CI)}$ECBS, $^{2016}_{(CI)}$RCIS, $^{2016}_{(JN)}$ISI, $^{2016}_{(CN)}$AFADL, $^{2015}_{(CN)}$INFORSID, $^{2015}_{(CI)}$ICFEM, $^{2015}_{(JI)}$IJSMD, $^{2015}_{(WI)}$FormaliSE, $^{2015}_{(JI)}$TOPNOC, $^{2014}_{(JN)}$ISI, $^{2014}_{(WI)}$FMS, $^{2011}_{(WI)}$WISSE, $^{2011}_{(CI)}$SACMAT, $^{2011}_{(JI)}$ISSE, $^{2011}_{(CI)}$ARES, $^{2011}_{(CI)}$ICFEM]

AXE$_3$: Formal Domain-Specific Languages [$^{2024}_{(CI)}$ABZ, $^{2024}_{(X)}$ISSE, $^{2023}_{(CI)}$COORDINATION, $^{2022}_{(JI)}$ISSE, $^{2022}_{(CI)}$RCIS, $^{2022}_{(CN)}$AFADL, $^{2022}_{(WI)}$MoDeVVa, $^{2021}_{(CI)}$ESSE, $^{2020}_{(WI)}$DETECT, $^{2020}_{(CI)}$IFM, $^{2020}_{(JI)}$ISSE, $^{2018}_{(CN)}$AFADL, $^{2010}_{(JN)}$ISI]

AXE$_4$: Application & Railway Systems [$^{2024}_{(CI)}$ICECCS, $^{2020}_{(WI)}$FACS, $^{2019}_{(CI)}$RSSRail^a, $^{2019}_{(CI)}$FMICS, $^{2019}_{(CI)}$RSSRail^b, $^{2018}_{(CI)}$MEDI, $^{2015}_{(JN)}$TSI, $^{2014}_{(CN)}$AFADL, $^{2014}_{(CI)}$ABZ, $^{2009}_{(BC)}$Chapter]

6.2 Classement par rang

Rang A : [$^{2007}_{(JI)}$FMSD, $^{2006}_{(JI)}$IST]

Rang B : [$^{2024}_{(CI)}$ICECCS, $^{2023}_{(CI)}$COORDINATION, $^{2022}_{(CI)}$RCIS, $^{2020}_{(CI)}$IFM, $^{2017}_{(CI)}$ECBS, $^{2016}_{(CI)}$RCIS, $^{2015}_{(CI)}$ICFEM, $^{2011}_{(CI)}$ARES, $^{2011}_{(CI)}$ICFEM, $^{2008}_{(CI)}$ICEIS, $^{2005}_{(CI)}$ICFEM]

Rang C : [$^{2024}_{(CI)}$ABZ, $^{2023}_{(CI)}$CRISIS, $^{2019}_{(CI)}$FMICS, $^{2018}_{(CI)}$MEDI, $^{2014}_{(CI)}$ABZ, $^{2013}_{(CI)}$EMMSAD, $^{2011}_{(CI)}$SACMAT, $^{2011}_{(CI)}$SAR-SSI, $^{2009}_{(CI)}$EMMSAD, $^{2007}_{(CI)}$ICSEA, $^{2004}_{(WI)}$FMICS]

6.3 Classement par catégorie

Les références ci-dessous sont représentées sous la forme [Acronyme$^{\text{Année}}_{\text{Catégorie}}$] et sont classées par catégorie et par année. Les catégories sont comme suit :

X : Under Submission	IW : International Workshop
IJ : International Journal	NC : National Conference
NJ : National Journal	BC : Book Chapter
IC : International Conference	R : Report

[X] En cours de soumission (1)

[$^{2024}_{(X)}$ISSE] Yar, A., **Idani A**, Ledru, Y. & Collart-Dutilleul, S. Visual Animation of B Specifications Using Executable DSLs. *International NASA Journal on Innovations in Systems and Software Engineering (ISSE),* vol. **submitted** (revised version), 2024.
⇒ Selected among best papers of MoDeVVa'2022.

[JI] Journal International (7)

[2022 (JI) ISSE] **Idani A**. Formal model-driven executable DSLs : Application to Petri-nets. *International NASA Journal on Innovations in Systems and Software Engineering (ISSE),* vol. **18**(4) 543-566, 2022. https://doi.org/10.1007/s11334-021-00408-4.
⇒ Publié par Springer ; Quartiles (scimagojr) : 3/4.

[2020 (JI) ISSE] **Idani A**, Ledru, Y. & Vega, G. Alliance of Model Driven Engineering with a Proof-based Formal Approach. *International NASA Journal on Innovations in Systems and Software Engineering (ISSE),* vol. **16**(3) 289-307, 2020. https://doi.org/10.1007/s11334-020-00366-3.
⇒ Publié par Springer ; Quartiles (scimagojr) : 3/4.

[2015 (JI) IJSMD] Ledru, Y., **Idani A**, Milhau, J., Qamar, N., Laleau, R., Richier, J. & Labiadh, M. Validation of IS Security Policies Featuring Authorisation Constraints. *International Journal of Information System Modeling and Design (IJISMD),* vol. **6**(1) 24-46, 2015. https://doi.org/10.4018/ijismd.2015010102. https://doi.org/10.4018/ijismd.2015010102
⇒ Publié chez IGI Global ; Quartiles (scimagojr) : 3/4.
⇒ Sélectionné parmi les meilleurs articles de WISSE@CAiSE'11.

[2015 (JI) TOPNOC] Radhouani, A., **Idani A**, Ledru, Y. & Rajeb, N. B. Symbolic Search of Insider Attack Scenarios from a Formal Information System Modeling. *Transactions on Petri Nets and Other Models of Concurrency,* vol. **10**() 131-152, 2015. https://doi.org/10.1007/978-3-662-48650-4%5C_7. https://doi.org/10.1007/978-3-662-48650-4_7
⇒ Selected among best papers of FMS'14. Selection rate : 2/6 (33%)
⇒ Publié par Springer.

[2011 (JI) ISSE] Milhau, J., **Idani A**, Laleau, R., Labiadh, M., Ledru, Y. & Frappier, M. Combining UML, ASTD and B for the formal specification of an access control filter. *International NASA Journal on Innovations in Systems and Software Engineering (ISSE),* vol. **7**(4) 303-313, 2011. https://doi.org/10.1007/s11334-011-0166-z. https://doi.org/10.1007/s11334-011-0166-z
⇒ Publié chez Springer ; Quartiles (scimagojr) : 3/4.

[2007 (JI) FMSD] **Idani A** & Ledru, Y. Object oriented concepts identification from formal B specifications. *Formal Methods in System Design,* vol. **30**(3) 217-232, 2007. https://doi.org/10.1007/s10703-006-0030-1.
⇒ Publié par Springer ; Quartiles (scimagojr) : 2/3 ; Rank (Core2020) : A
⇒ Extended version selected among best papers of FMICS'04
⇒ Selection rate : 5/29 (17%).

[2006 (JI) IST] **Idani A** & Ledru, Y. Dynamic graphical UML views from formal B specifications. *Information & Software Technology (IST),* vol. **48**(3) 154-169, 2006. https://doi.org/10.1016/j.infsof.2005.03.008.
⇒ Publié par Elsevier ; Quartiles (scimagojr) : 1 ; Rank (Core2020) : A.

[CI] Conférences Internationales (24)

[2024 (CI) ABZ] **Idani A**. *Transpilation of Petri-nets into B, Shallow and Deep Embeddings*. In, *10th International Conference on Rigorous State-Based Methods (ABZ)* (éd. Riccobene, E., Leuschel, M., Bonfanti, S., Gargantini, A. & Scandurra, P.) **14756** (Springer, 2024). 80-98. https://doi.org/10.1007/978-3-031-63790-2_5.
⇒ Rank (Core) : C ;
⇒ Selection rate of long papers : 9/47 (19%).

[2024 (CI) ICECCS] Yar, A., **Idani A**, Ledru, Y., Collart-Dutilleul, S., Vega, G. & Mammar, A. *An Iterative Formal Model-Driven Approach to Railway Systems Validation*. In, *28th International Conference on Engineering of Complex Computer Systems (ICECCS), Limassol, Cyprus* (Springer, 2024).
⇒ Rank (Core) : B ;
⇒ Post-procceedings.

[2023 (CI) COORDINATION] Chehida, S., **Idani A**, Cornax, M. C. & Vega, G. *A Formal MDE Framework for Inter-DSL Collaboration*. In, *25th IFIP International Conference on Coordination Models and Languages (COORDINATION), Lisbon, Portugal, June 19-23* (éd. Jongmans, S. & Lopes, A.) **13908** (Springer, 2023). 232-249. https://doi.org/10.1007/978-3-031-35361-1_13.
⇒ Rank (Core2020) : B ; Selection rate of full papers : 8/27 (29%).

[2023 (CI) CRISIS] **Idani A**, Ledru, Y. & Vega, G. *A Process-Centric Approach to Insider Threats Identification in Information Systems*. In, *18th International Conference on Risks and Security of Internet and Systems, Rabat, Morocco* (Springer, 2023).
⇒ Rank (Core) : C ; To appear in 2024 in post-proceedings.
⇒ This paper won the best paper award. Announced selection rate : 40%.

[2022 (CI) RCIS] **Idani A**. *The B Method meets MDE : Survey, progress and future*. In, *16th International Conference on Research Challenges in Information Science (RCIS)* **446** (Springer, 2022). 495-512. https://doi.org/10.1007/978-3-031-05760-1_29. https://doi.org/10.1007/978-3-031-05760-1_29
⇒ Rank (Core) : B ; Selection rate : 35/100 (35%).

[2021 (CI) ESSE] **Idani A**. *A Lightweight Development of Outbreak Prevention Strategies Built on Formal Methods and xDSLs*. In, *ACM European Symposium on Software Engineering (ESSE)* (ACM, 2021). 85-93. https://doi.org/10.1145/3501774.3501787. https://doi.org/10.1145/3501774.3501787
⇒ This paper won the best presentation award.

[2020 (CI) IFM] **Idani A**. *Meeduse : A Tool to Build and Run Proved DSLs*. In, *16th International Conference on Integrated Formal Methods (IFM)* (éd. Dongol, B. & Troubitsyna, E.) **12546** (Springer, 2020). 349-367. https://doi.org/10.1007/978-3-030-63461-2_19. https://doi.org/10.1007/978-3-030-63461-2_19
⇒ Rank (Core) : B ; Selection rate : 24/63 (38%).

[2019 (CI) RSSRail[a]] **Idani A**, Ledru, Y., Ait-Wakrime, A., Ben-Ayed, R. & Bon, P. *Towards a Tool-Based Domain Specific Approach for Railway Systems Modeling and Validation*. In, *Third International Conference onReliability, Safety, and Security of Railway Systems (RSSRail'2019)* **11495** (Springer, 2019). 23-40. https://doi.org/10.1007/978-3-030-18744-6_2
⇒ Selection rate : 18/38 (47%).

[2019 (CI) FMICS] **Idani A**, Ledru, Y., Ait-Wakrime, A., Ben-Ayed, R. & Collart-Dutilleul, S. *Incremental Development of a Safety Critical System Combining formal Methods and DSMLs – Application to a Railway System*. In, *24th International Conference on Formal Methods for Industrial Critical Systems (FMICS'2019)* **11687** (Springer, 2019). 93-109. https://doi.org/10.1007/978-3-030-27008-7_6
⇒ Rank (Core) : C ; Selection rate : 9/15 (60%).

[2019 (CI) RSSRail[b]] Ledru, Y., **Idani A**, Ayed, R. B., Wakrime, A. A. & Bon, P. *A Separation of Concerns Approach for the Verified Modelling of Railway Signalling Rules*. In, *Third International Conference on Reliability, Safety, and Security of Railway Systems - Modelling, Analysis, Verification, and Certification (RSSRail)* **11495** (Springer, 2019). 173-190. https://doi.org/10.1007/978-3-030-18744-6%5C_11. https://doi.org/10.1007/978-3-030-18744-6_11
⇒ Selection rate : 18/38 (47%).

[2018 (CI) MEDI] Wakrime, A. A., Ayed, R. B., Dutilleul, S. C., Ledru, Y. & **Idani A**. *Formalizing Railway Signaling System ERTMS/ETCS Using UML/Event-B*. In, *8th International Conference on Model and Data Engineering - MEDI* **11163** (Springer, 2018). 321-330. https://doi.org/10.1007/978-3-030-00856-7_21.
⇒ Rank (Core) : C ; Selection rate : 23/86 (26%).

[2017 (CI) ECBS] **Idani A**. *Model driven secure web applications : the SeWAT platform*. In, *5th ACM Conference on the Engineering of Computer-Based Systems, ECBS 2017* (ACM, 2017). 3 :1-3 :9. https://doi.org/10.1145/3123779.3123800.
⇒ Rank (Core) : B ; Selection rate : 16/42 (38%).

[2016 (CI) RCIS] Chehida, S., **Idani A**, Ledru, Y. & Rahmouni, M. K. *Combining UML and B for the specification and validation of RBAC policies in business process activities*. In, *10th IEEE International Conference on Research Challenges in Information Science, RCIS* (IEEE, 2016). 1-12. https://doi.org/10.1109/RCIS.2016.7549284.
⇒ Rank (Core) : B ; Selection rate : 43/149 (29%).

[2015 (CI) ICFEM] **Idani A** & Ledru, Y. *B for Modeling Secure Information Systems, The B4MSecure Platform*. In, *17th International Conference on Formal Engineering Methods (ICFEM), Paris, France, November 3-5* (éd. Butler, M. J., Conchon, S. & Zaidi, F.) **9407** (Springer, 2015). 312-318. https://doi.org/10.1007/978-3-319-25423-4_20
⇒ Rank (Core) : B ; Selection rate : 27/78 (34%).

[2014 (CI) ABZ] Ayed, R. B., Dutilleul, S. C., Bon, P., **Idani A** & Ledru, Y. *B Formal Validation of ERTMS/ETCS Railway Operating Rules*. In, *4th International Conference on Abstract State Machines, Alloy, B, TLA, VDM, and Z - (ABZ), Toulouse, France, June 2-6* (éd. Ameur, Y. A. & Schewe, K.) **8477** (Springer, 2014). 124-129. https://doi.org/10.1007/978-3-662-43652-3%5C_10. https://doi.org/10.1007/978-3-662-43652-3_10
⇒ Rank (Core) : C ; Selection rate : 32/81 (39%).

[2013 (CI) EMMSAD] **Idani A**, Ledru, Y. & Anwar, A. *A Rigorous Reasoning about Model Transformations Using the B Method*. In, *18th International working conference on Exploring Modeling Methods for Systems Analysis and Development (EMMSAD), Held at CAiSE 2013, Valencia, Spain, June 17-18* (éd. Nurcan, S., Proper, H. A., Soffer, P., Krogstie, J., Schmidt, R., Halpin, T. A. & Bider, I.) **147** (Springer, 2013). 426-440. https://doi.org/10.1007/978-3-642-38484-4%5C_30. https://doi.org/10.1007/978-3-642-38484-4_30,
⇒ Rank (Core) : C ; 10/27 (37%).

[2011 (CI) SACMAT] Ledru, Y., Qamar, N., **Idani A**, Richier, J. & Labiadh, M. *Validation of security policies by the animation of Z specifications*. In, *16th ACM Symposium on Access Control Models and Technologies (SACMAT), Innsbruck, Austria, June 15-17* (éd. Breu, R., Crampton, J. & Lobo, J.) (ACM, 2011). 155-164. https://doi.org/10.1145/1998441.1998471.
⇒ Rank (Core) : C ; Selection rate : 16/52 (30%).

[2011 (CI) SAR-SSI] Ledru, Y., Richier, J.-L., **Idani A** & Labiadh, M.-A. *From KAOS to RBAC : A Case Study in Designing Access Control Rules from a Requirements Analysis*. In, *International Conference on Network and Information Systems Security (SAR-SSI)* (2011). 1-8. https://doi.org/10.1109/SAR-SSI.2011.5931378,
⇒ Rank (Core) : C.

[2011 (CI) ARES] Qamar, N., Ledru, Y. & **Idani A**. *Evaluating RBAC Supported Techniques and their Validation and Verification*. In, *Sixth International Conference on Availability, Reliability and Security (ARES), Vienna, Austria, August 22-26* (IEEE Computer Society, 2011). 734-739. https://doi.org/10.1109/ARES.2011.112.
⇒ Rank (Core) : B ; Selection rate : 25%.

[2011 (CI) ICFEM] Qamar, N., Ledru, Y. & **Idani A**. *Validation of Security-Design Models Using Z*. In, *13th International Conference on Formal Engineering Methods (ICFEM), Durham, UK* (éd. Qin, S. & Qiu, Z.) **6991** (Springer, 2011). 259-274. https://doi.org/10.1007/978-3-642-24559-6_19.
⇒ Rank (Core) : B ; Selection rate : 40/103 (38%).

[2009 (CI) EMMSAD] **Idani A**. *UML Models Engineering from Static and Dynamic Aspects of Formal Specifications*. In, *14th International working conference on Exploring Modeling Methods for Systems Analysis and Development (EMMSAD), held at CAiSE 2009, Amsterdam, The Netherlands, June 8-9* (éd. Halpin, T. A., Krogstie, J., Nurcan, S., Proper, E., Schmidt, R., Soffer, P. & Ukor, R.) **29** (Springer, 2009). 237-250. https://doi.org/10.1007/978-3-642-01862-6%5C_20. https://doi.org/10.1007/978-3-642-01862-6_20
⇒ Rank (Core) : C ; Selection rate : 16/36 (44%).

[2008 (CI) ICEIS] **Idani A** & Coulette, B. *Towards Reverse-Engineering of UML Views from Structured Formal Developments*. In, *10th International Conference on Enterprise Information Systems (ICEIS), Volume ISAS-1, Barcelona, Spain, June 12-16* (éd. Cordeiro, J. & Filipe, J.) (2008). 94-103.
⇒ Rank (Core2008) : B ; Selection rate of full papers : less than 10%).

[2007 (CI) ICSEA] **Idani A**, Ossami, D. D. O. & Boulanger, J. *Commandments of UML for Safety*. In, *2nd International Conference on Software Engineering Advances (ICSEA), August 25-31, France* (IEEE Computer Society, 2007). 58. https://doi.org/10.1109/ICSEA.2007.20. https://doi.org/10.1109/ICSEA.2007.20
⇒ Selection rate : 32%.

[2005 (CI) ICFEM] **Idani A**, Ledru, Y. & Bert, D. *Derivation of UML Class Diagrams as Static Views of Formal B Developments*. In, *7th International Conference on Formal Engineering Methods (ICFEM), Manchester, UK, November 1-4* (éd. Lau, K. & Banach, R.) **3785** (Springer, 2005). 37-51. https://doi.org/10.1007/11576280%5C_4. https://doi.org/10.1007/11576280_4
⇒ Rank (Core) : B ; Selection rate : 30/74 (40%).

[WI] Workshops Internationaux (12)

[2022 (WI) DETECT] **Idani A**, Djedidi, R. & Vega, G. *Revisiting Ontology Evolution Patterns - A Formal xDSL Approach*. In, *International Workshop on Modeling, Verification and Testing of Dependable Critical Systems (DETECT), collocted with the International Conference on Advances in Model and Data Engineering (MEDI). Egypt, November 21-24* **1751** (Springer, 2022). 165-178. https://doi.org/10.1007/978-3-031-23119-3_12.

[2022 (WI) MoDeVVa] Yar, A., **Idani A**, Ledru, Y. & Dutilleul, S. C. *Visual animation of B specifications using executable DSLs*. In, *19th Workshop on model driven engineering, verification and validation (MoDeVVa) collocated with the International Conference on Model Driven Engineering Languages and Systems (MODELS), Canada, October 23-28* (éd. Kuhn, T. & Sousa, V.) (ACM, 2022). 617-626. https://doi.org/10.1145/3550356.3561585.
⇒ Selection rate : 6/10 (60%).

[2020 (WI) DETECT] **Idani A**. *Dependability of Model-Driven Executable DSLs, Critical Review and Solutions*. In, *International Workshop on Modeling, Verification and Testing of Dependable Critical Systems (DETECT), collocted with the 14th European Conference on Software Architecture (ECSA)* **1269** (Springer, 2020). 358-373. https://doi.org/10.1007/s11334-021-00408-4. https://doi.org/10.1007/s11334-021-00408-4
⇒ Selection rate : 6/15 (40%).

[2020 (WI) SecureMDE] **Idani A** & Cornax, M. C. *Towards a model driven formal approach for merging data, access control and business processes*. In, *2nd International Workshop on Security for and by Model-Driven Engineering (SecureMDE) collocated with MODELS'20* (ACM, 2020). https://doi.org/10.1145/3417990.3420046.

[2020 (WI) FACS] Yar, A., **Idani A** & Collart-Dutilleul, S. *Merging Railway Standard Notations in a Formal DSL-Based Framework*. In, *Joint Workshop on Formal Approaches for Advanced Computing Systems and Model-Driven Engineering for Software Architecture, collocted with the 14th European Conference on Software Architecture (ECSA)* **1269** (Springer, 2020). 411-419. https://doi.org/10.1007/s11334-021-00408-4. https://doi.org/10.1007/978-3-030-59155-7_30.

[2019 (WI) TTC] **Idani A**, Vega, G. & Leuschel, M. *Applying Formal Reasoning to Model Transformation : The Meeduse solution*. In, *Proceedings of the 12th Transformation Tool Contest (TTC), collocated with STAF'2019* **2550** (2019). 33-44. https://ceur-ws.org/Vol-2550/paper5.pdf
⇒ This work won the best verification award and the 3rd audience award.

[2015 (WI) FormaliSE] Ledru, Y., **Idani A** & Richier, J. *Validation of a Security Policy by the Test of Its Formal B Specification - A Case Study*. In, *3rd IEEE/ACM FME Workshop on Formal Methods in Software Engineering, FormaliSE'15, Florence, Italy, May 18* (éd. Gnesi, S. & Plat, N.) (IEEE Computer Society, 2015). 6-12. https://doi.org/10.1109/FormaliSE.2015.9. https://doi.org/10.1109/FormaliSE.2015.9
⇒ Selection rate : 9/24 (37%).

[2014 (WI) HOFM] **Idani A** & Stouls, N. *When a Formal Model Rhymes with a Graphical Notation*. In, *Software Engineering and Formal Methods - (SEFM) Collocated Workshop on Human-Oriented Formal Methods (HOFM), Grenoble, France, September 1-2, 2014, Revised Selected Papers* **8938** (Springer, 2014). 54-68. https://doi.org/10.1007/978-3-319-15201-1%5C_4.

[2014 (WI) FMS] Radhouani, A., **Idani A**, Ledru, Y. & Rajeb, N. B. *Extraction of insider attack scenarios from a formal Information System Modeling*. In, *5th International Workshop on Formal Methods for Security (FMS)* (2014).
⇒ Selection rate : 6/11 (54%).

[2011 (WI) WISSE] Ledru, Y., **Idani A**, Milhau, J., Qamar, N., Laleau, R., Richier, J. & Labiadh, M. *Taking into Account Functional Models in the Validation of IS Security Policies*. In, *International Workshop on Advanced Information Systems Engineering, Collocated with CAiSE'11 Conference* (éd. Salinesi, C. & Pastor, O.) **83** (Springer, 2011). 592-606. https://doi.org/10.1007/978-3-642-22056-2%5C_62. https://doi.org/10.1007/978-3-642-22056-2_62
⇒ Selection rate : 4/12 (33%).

[2006 (WI) SEW] **Idani A**, Ledru, Y. & Bert, D. *A Reverse-Engineering Approach to Understanding B Specifications with UML Diagrams*. In, *30th Annual IEEE / NASA Software Engineering Workshop (SEW-30), 25-28 April, USA* (IEEE Computer Society, 2006). 97-106. https://doi.org/10.1109/SEW.2006.6. https://doi.org/10.1109/SEW.2006.6.

[2004 (WI) FMICS] **Idani A** & Ledru, Y. *Object Oriented Concepts Identification from Formal B Specifications*. In, *9th International Workshop on Formal Methods for Industrial Critical Systems (FMICS), Linz, Austria, September 20-21* (éd. Bicarregui, J., Butterfield, A. & Arenas, A.) **133** (Elsevier, 2004). 159-174. https://doi.org/10.1016/j.entcs.2004.08.063. https://doi.org/10.1016/j.entcs.2004.08.063
⇒ Rank (Core) : C ; Selection rate : 17/29 (58%).

[JN] Journal National (5)

[2016 (JN) ISI] Chehida, S., **Idani A**, Ledru, Y. & Rahmouni, M. K. Extensions du diagramme d'activité pour la spécification de politiques RBAC. *Ingénierie des Systèmes d Information,* vol. **21**(2) 11-37, 2016. https://doi.org/10.3166/isi.21.2.11-37. https://doi.org/10.3166/isi.21.2.11-37,
⇒ Publié par Lavoisier ; Quartiles (scimagojr) : 3. Version étendue de l'article INFORSID'15.

[2015 (JN) TSI] Ayed, R. B., Dutilleul, S. C., Bon, P., Ledru, Y. & **Idani A**. Formalismes basés sur les rôles pour la modélisation et la validation des règles d'exploitation ferroviaires. *Techniques et Sciences Informatiques,* vol. **34**(5) 495-521, 2015. https://doi.org/10.3166/tsi.34.495-521.

[2014 (JN) ISI] **Idani A**, Ledru, Y. & Radhouani, A. Modélisation graphique et validation formelle de politiques RBAC en systèmes d'information : Plateforme B4MSecure. *Ingénierie des Systèmes d'Information,* vol. **19**(6) 33-61, 2014. https://web.archive.org/web/*/https://doi.org/10.3166/isi.19.6.33-61. https://web.archive.org/web/*/https://doi.org/10.3166/isi.19.6.33-61,
⇒ Publié par Lavoisier ; Quartiles (scimagojr) : 3.

[2010 (JN) ISI] **Idani A**, Labiadh, M. & Ledru, Y. Infrastructure dirigée par les modèles pour une intégration adaptable et évolutive de UML et B. *Ingénierie des Systèmes d'Information,* vol. **15**(3) 87-112, 2010. https://doi.org/10.3166/isi.15.3.87-112. https://doi.org/10.3166/isi.15.3.87-112,
⇒ Publié par Lavoisier ; Quartiles (scimagojr) : 3. Version étendue de l'article INFORSID'09.

[2007 (JN) TSI] **Idani A**, Ledru, Y. & Bert, D. Approche formelle pour la dérivation de vues structurelles UML à partir de développements B. Formalisation, preuve et extension pour la prise en compte des raffinements B. *Techniques et Sciences Informatiques,* vol. **26**(7) 819-851, 2007. https://doi.org/10.3166/tsi.26.819-851.
⇒ Publié par Hermès-Lavoisier
⇒ Version étendue sélectionnée parmi les meilles articles de AFADL'06.
⇒ Taux de sélection : 4/24 (16%).

[CN] Conférences nationales (11)

[2022 (CN) AFADL] **Idani A** & Véga, G. *xDSLs dirigés par les Modèles Formels : Tour d'horizon de l'outil Meeduse*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL)* (Vannes, juin 2022). 51-57.

[2018 (CN) AFADL] **Idani A**. *Mise en oeuvre d'une approche formelle en ingénierie des modèles*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL)* (Grenoble, juin 2018). 51-57.

[2016 (CN) AFADL] Radhouani, A., **Idani A**, Ledru, Y. & Rajeb, N. B. *GenISIS : un outil de recherche d'attaques d'initié en Systèmes d'Information*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL)* (Besançon, juin 2016). 19-26.

[2015 (CN) INFORSID] Chehida, S., **Idani A**, Ledru, Y. & Rahmouni, M. K. *Extensions du diagramme d'activité pour contrôler l'accès au SI*. In, *Actes du XXXIIIème Congrès INFORSID, Biarritz, France, May 26-29* (2015). 151-165. http://inforsid.fr/Biarritz2015/wp-content/uploads/actes2015/mm2-2.pdf. http://inforsid.fr/Biarritz2015/wp-content/uploads/actes2015/mm2-2.pdf
⇒ Taux de sélection : 19/43 (44%).

[2014 (CN) AFADL] Ayed, R. B., Collart-Dutilleul, S., Bon, P., Ledru, Y. & **Idani A**. *Modélisation et validation formelle des règles d'exploitation ferroviaires*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL)* (Paris, juin 2014). 1-15.

[2013 (CN) AFADL] **Idani A**, Labiadh, M.-A. & Ledru, Y. *B4MSecure : une plateforme IDM pour la modélisation et la validation de politiques de sécurité en Systèmes d'Information*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL)* (Nancy, avr. 2013).

[2010 (CN) AFADL] Labiadh, M.-A., **Idani A** & Ledru, Y. *Approche transformationnelle à base de métamodèles pour l'intégration de UML et de notations formelles*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL'10)* (Poitiers, juin 2010). 197-212.

[2009 (CN) INFORSID] **Idani A**, Ledru, Y. & Labiadh, M. *Ingénierie Dirigée par les Modèles pour une intégration efficace de UML et B*. In, *Actes du XXVIIème Congrès INFORSID* (2009). 261-276.
⇒ Taux de sélection : 26/76 (34%).

[2009 (CN) SafeModel] **Idani A**, Ledru, Y. & Schobbens, P.-Y. *Approche formelle pour une Ingénierie des modèles sûre*. In, *Atelier LMO/SafeModels* (Nancy, mars 2009).

[2006 (CN) INFORSID] **Idani A**. *Couplage de spécifications B et de descriptions UML pour l'aide aux développements formels des Systèmes d'Information*. In, *Actes du XXIVème Congrès INFORSID, Hammamet, Tunisie, 31 mai - 4 juin* (2006). 577-593.
⇒ Taux de sélection : 68/155 (40%).

[2006 (CN) AFADL] **Idani A**, Ledru, Y. & Bert, D. *Analyse formelle de concepts pour la génération de diagrammes de classes UML à partir de spécifications B*. In, *Approches Formelles dans l'Assistance au Développement de Logiciels (AFADL)* (Paris, mars 2006). 9-23.

[BC] Chapitre de livre (2)

[2009 (BC) Chapter] Boulanger, J.-L., Rasse, A. & **Idani A**. In, *Handbook of Software Engineering Research and Productivity Technologies : Implications of Globalisation* (éd. Ramachandran, M. & de Carvalho, R. A.) ISBN :978- 1-60566-731-7 (Engineering Science Referencen, IGI Global, 2009).

[2007 (BC) Chapter] **Idani A**. In, *Computer Software Engineering Research* (éd. Klein, A. D.) ISBN :1-60021-774-5 (Nova Science Publishers, 2007).

[Ed] Edition d'actes (1)

[2015 (Ed) Proceedings] (éd. Canal, C. & **Idani A**) *Software Engineering and Formal Methods - SEFM 2014 Collocated Workshops : HOFM, SAFOME, OpenCert, MoKMaSD, WS-FMDS, Grenoble, France, September 1-2, 2014, Revised Selected Papers* **8938** (Springer, 2015). isbn : 978-3-319-15200-4. https://doi.org/10.1007/978-3-319-15201-1.

[RE] Rapport - Thèse et HdR (2)

[2023 (RE) HdR] **Idani A**. *Formal Model Driven Engineering* https://lig-membres.imag.fr/idani/main.pdf. Habilitation à Diriger des Recherches (HdR) (Université Grenoble Alpes, LIG, mai 2023).

[2006 (RE) PhD] **Idani A**. *B/UML : Mise en relation de spécifications B et de descriptions UML pour l'aide à la validation externe de développements formels en B* https://theses.fr/2006GRE10206. Thèse de Doctorat (Université Joseph Fourier, LSR/IMAG, Grenoble 1, nov. 2006).