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| Nº línea |  |
| 1 | **Software Release Patterns: When is it a good time to update a software** |
| 2 | **component**? |
| 3 | **Abstract** |
| 4 | Over the past decade the industry 4.0 witnessed a trend towards an increasing |
| 5 | number of software components, dependencies towards third party software |
| 6 | components, and software component release cycles. Industry 4.0 teams building |
| 7 | software products. are more frequently impacted by third party software component |
| 8 | updates. Due to this dependency, updating a single third party software component |
| 9 | can break an entire software product. Reasons include parallel conflicting updates of |
| 10 | third party software components, updating to an unstable version, or updating to a |
| 11 | major stable version without an impact analysis. The objective of this paper is to |
| 12  13 | reduce the risk of breaking updates by reviewing software release patterns and  proposing update scheduling recommendations. |
| 14 | **Abstract** |
| 16 | **Keywords :**Software Updates, Software Dependencies, Software Release Schedule. |
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