A Systematic Review of API Evolution Literature - Appendix

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CCS Concepts: • Software and its engineering → Designing software; Software design tradeoffs; Software evolution:

Additional Key Words and Phrases: SLR, APIs, API Evolution

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RESEARCHERS AND ORGANIZATIONS

Affiliation **Publications** Name Country Nguyen, Tien N. University of Texas at Dallas U.S.A 22 Robillard, Martin P. McGill University Canada 17 Valente, Marco Tulio Federal University of Minas Gerais Brazil 13 Dig, Danny Oregon State University and University of Illinois U.S.A 12 Nguyen, Hoan Anh Iowa State University U.S.A 12 Robbes, Romain Free University of Bozen-Bolzano

Table 1. Top Co-authors on the subject of API Evolution

Table 1 presents the top five researchers by publications related to API Evolution (including ties). The authors considered in Table 1 are either primary authors or co-authors of papers in our sample of 369 papers. Tien N. Nguyen is the most frequent contributor to API evolution research followed by Martin P. Robillard. The top co-authors of API Evolution research are for the most part affiliated with universities in the U.S.A., with the notable exceptions of M. Robillard, M. Valente, and R. Robbes. We therefore discern that leading researchers in the field of API evolution are globally distributed, with a particular concentration in the U.S.A.

GEOGRAPHICAL DISTRIBUTION OF PUBLICATIONS

To determine the geographical location of publications, we considered the country of the institution affiliated with the first author of each work. As shown in table 2, we can see that the USA, with 33.3% of publications, is the country with the primary number of works in the field of API Evolution, followed by Canada and China with 15.2% and 10.6% of publications respectively.

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Italy

Table 2. Geographical distribution of papers

No.	Country or Region	Papers
1	USA	123
2	Canada	56
3	China	39
4	Germany	24
5	Brazil	18
6	Australia	13
7	Netherlands	12
8	Switzerland	10
9	Belgium	7
10	Czech Republic	7
11	France	7
12	Italy	6
13	South Korea	5
14	Spain	5
15	Sweden	4
16	United Kingdom	4

No.	Country or Region	Papers
17	Chile	3
18	Greece	3
19	Finland	3
20	New Zealand	3
21	Japan	2
22	Denmark	2
23	Austria	1
24	Ethiopia	1
25	Hong Kong	1
26	Hungary	1
27	India	1
28	Luxembourg	1
29	Norway	1
30	Poland	1
31	Portugal	1
32	Russia	1
33	Singapore	1
34	United Arab Emirates	1
35	Uganda	1