Dipartimento di Ingegneria e Scienze dell'Informazione e Matematica

Università degli Studi dell'Aquila

AUTOMATIC SEARCH REPORT

Cyber-Physical Systems Security: a Systematic Mapping Study

VERSION 1.0

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ABSTRACT

Automatic search refers to the execution of a search string on a set of electronic databases and indexing systems. It is the dominant method for identifying potentially relevant papers for a systematic survey. In this report we describe the details about the selected electronic databases and indexing systems, the used search strings and applied selection procedures.

KEYWORDS

Systematic mapping study, automatic search, cyber-physical systems, CPS, networked control systems, NCS, security, attacks, protection.

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1 Automatic search

Automatic search refers to the execution of a search string on a set of electronic databases and indexing systems. In the literature it is the dominant method for identifying potentially relevant papers [CBZ10]. Our automatic search is performed on the six electronic data sources listed in Table 1.

Table 1: Electronic data sources targeted with search strings

Library	**Website**
ACM Digital Library	http://dl.acm.org
IEEE Explore	http://ieeexplore.ieee.org
ISI Web of Science	http://apps.webofknowledge.com
ScienceDirect	http://www.sciencedirect.com
SpringerLink	http://link.springer.com
Wiley InterScience	http://onlinelibrary.wiley.com

As suggested in [KB13a], in order to cover as much relevant literature as possible, we chose six of the largest and most complete scientific databases and indexing systems available in computer science. The selection of these electronic databases and indexing systems is guided also by their high accessibility and their ability to export search results to well-defined formats.

The applied search string is the following:

```
((((("cyber physical" OR "cyber-physical" OR cyberphysical OR "networked control") AND
            system*) OR CPS OR NCS) AND (attack* OR secur* OR protect*))
```

To create this search string, we established a *quasi-gold standard* (QGS) [ZBT11], that required a manual search in a small number of venues, as described in the related *Manual search report*. The results of these manual searches have been treated as a QGS by cross-checking the results obtained from the automatic search. So, we iteratively defined and modified the search string and conducted automatic searches on the electronic data sources until the quasi-sensitivity was above the established threshold of 80%. When the *quasi-sensitivity* became greater than 80%, the search performance was considered acceptable and the results from the automated search have been merged with the QGS.

Among the results of the automatic searches we removed a set of false positives in order to work on a polished set of potentially relevant studies. Examples of false positives include proceedings of conferences or workshops, tables of contents, maps, lists of program committee members, keynotes, tutorial or invited talks, and messages from (co-)chairs.

2 Selection procedure

After the search activity we considered all the collected studies and filtered them according to a set of well-defined inclusion and exclusion criteria. This criteria are the following.

2.1 Inclusion criteria

(I1) Studies focussing on security of cyber-physical systems (CPS).

(I2) Studies proposing a method or technique for CPS security enforcing or breaching.

(I3) Studies providing some kind of validation of the proposed method or technique (e.g., via formal analysis, controlled experiment, exploitation in industry, example usage).

2.2 Exclusion criteria

(E1) Studies not subject to peer review [WRH+12] (e.g., journal papers, papers published as part of conference proceedings will be considered, whereas white papers will be discarded).

(E2) Studies written in any language other than English.

(E3) Studies focussing on security method or technique not specific to cyber-physical system (e.g studies focussing on either the physical or cyber part only of the system under consideration).

(E4) Studies published before 2006 (because the cyber-physical systems discipline has emerged in 2006).

(E5) Secondary or tertiarty studies (e.g., systematic literature reviews, surveys, etc.).

(E6) Studies in the form of tutorial papers, short papers, poster papers, editorials, because they do not provide enough information.

In this context, a study was selected as a primary study if it satisfied *all* inclusion criteria, and it was discarded if it met *any* exclusion criterion. In order to reduce the likelihood of bias, the selection criteria of this study have been decided during the review protocol definition.

With a view to handle studies selection in a cost effective way we used the adaptive reading depth [PFMM08], as the full-text reading of clearly excluded approaches is unnecessary. So, we considered *title*, *keywords* and *abstract* of each potentially relevant study and, if selection decision could not be made, other information (like *conclusion* or even *full-text*) have been exploited [ZBT11]. By following the approach proposed in [AP14], two researchers classified each potentially relevant study either as *relevant*, *uncertain*, or *irrelevant*; any study classified as *irrelevant* has been directly excluded, whereas all the other approaches have been discussed with the help of a third researcher.

2.3 Search and selection of the papers published by IEEE

The automatic search of the papers published by IEEE was performed by applying the string

```
((((("cyber physical" OR "cyber-physical" OR cyberphysical OR "networked control") AND
system*) OR CPS OR NCS) AND (attack* OR secur* OR protect*))
```

to **IEEE Xplorer Digital library** by using in **Advanced Search Options** a **Command Search** with **Metadata Only**. The results were restricted to the time interval between 2006 and 2014.

First January 2015 this search gave 718 results. Among them there were some false positives in form of titles of conferences or workshops, their tables of contents, maps, program committees, keynotes, tutorial or invited talks, and messages from (co-)chairs. After deleting this false positives we remained with **641** papers. To all of them we have applied inclusion and exclusion criteria in order to identify our primary studies. The results are reported in Tables 3 - 28.

Third March 2015 the same search gave 775 results. After deleting the false positives we have obtained **52** new results, which are reported in Tables 29 - 30.

2.4 Search and selection of the papers published by ACM

The automatic search of the papers published by ACM was performed by applying the string

```
((((( Abstract:"cyber physical" OR Title:"cyber physical" OR
Keywords:"cyber physical") OR
(Abstract:cyberphysical OR Title:cyberphysical OR Keywords:cyberphysical) OR
(Abstract:"networked control" OR Title:"networked control" OR
```

```
Keywords:"networked control")) AND
(Abstract:system* OR Title:system* OR Keywords:system*)) OR
(Abstract:CPS OR Title:CPS OR Keywords:CPS) OR
(Abstract:NCS OR Title:NCS OR Keywords:NCS)) AND (
(Abstract:attack* OR Title:attack* OR Keywords:attack*) OR
(Abstract:secur* OR Title:secur* OR Keywords:secur*) OR
(Abstract:protect* OR Title:protect* OR Keywords:protect*)))
```

as a query in **ACM DL Digital Library**'s Advanced Search. The results were restricted to the time interval between 2006 and 2015. Additionally, our search was limited to **Publications from ACM and Affiliated Organizations**.

Fourth February 2015 this search gave **132** results.

To all of them we have applied inclusion and exclusion criteria in order to identify our primary studies. The results are reported in Tables 31 - 36.

2.5 Search and selection of the papers published by Science Direct

The automatic search of the papers published by Science Direct was performed by applying the string

```
tak((((("cyber physical" OR "cyber-physical" OR cyberphysical OR "networked control") AND
system*) OR CPS OR NCS) AND (attack* OR secur* OR protect*))
```

as a query in **ScienceDirect**'s Expert Search. The results were restricted to the time interval between 2006 and Present. Both **Journals** and **Books** were considered. Additionally, our search was limited to **All Sources** among **Computer Science**, **Engineering** and **Mathematics**

Twenty third February 2015 this search gave **74** results.

To all of them we have applied inclusion and exclusion criteria in order to identify our primary studies. The results are reported in Tables 37 - 39.

2.6 Search and selection of the papers published by Web Of Science

The automatic selection of the papers indecised by Web Of Science was performed by applying the search string

```
TS=((((("cyber-physical" OR cyberphysical OR "networked control") AND system*)
OR CPS OR NCS) AND (attack* OR secur* OR protect*))
```

as a query in Web of Science's Advanced Search on Web of Science™ Core Collection database.

The results were restricted by English language, within timespan from 2006 to 2015, with further setting of considering only Science Citation Index Expanded (SCI-EXPANDED) and Conference Proceedings Citation Index- Science (CPCI-S).

Second March 2015 this search gave 872 results.

After refining the research results by **excluding Research Areas** of Agriculture, Social Work, Environmental Sciences, Ecology, Reproductive Biology, Chemistry, Cell Biology, Microscopy, Materials Science, Veterinary Sciences, Metallurgy, Metallurgical Engineering, Substance Abuse, Mechanics, Spectroscopy, Hematology, Polymer Science, Geriatrics, Gerontology, Parasitology, Crystallography, Immunology, Business Economics, Biochemistry, Molecular Biology, Genetics Heredity, Behavioral Sciences, Infectious Diseases, Electrochemistry, Acoustics, Microbiology, Virology,

Water Resources, Psychiatry, Plant Sciences, Social Sciences Other Topics, Pharmacology Pharmacy, Rheumatology, Research Experimental Medicine, Respiratory System, Neurosciences Neurology, Nutrition Dietetics, Rehabilitation, Public Environmental Occupational Health, Otorhinolaryngology, Optics, Biophysics, Mycology, Pediatrics, Tropical Medicine, Meteorology Atmospheric Sciences, Biotechnology Applied Microbiology, Transportation, Medical Informatics, Nuclear Science Technology, Toxicology, Medical Ethics, Psychology, Surgery, Mathematical Methods in Social Sciences, Instruments Instrumentation, Physiology, Life Sciences Biomedicine Other Topics, Obstetrics Gynecology, Gastroenterology Hepatology, Food Science Technology, Mathematical Computational Biology, Forestry, Oncology, General Internal Medicine, Entomology, Evolutionary Biology, Emergency Medicine, Endocrinology Metabolism, Dentistry Oral Surgery Medicine, Health Care Sciences Services, Radiology Nuclear Medicine Medical Imaging, Geology, Fisheries, Education Educational Research, Construction Building Technology, Cardiovascular System Cardiology, Transplantation and Anesthesiology, we got **378** results within Computer Science, Physics, Mathematics, Engineering, Energy Fuels, Imaging Science Photographic Technology, Telecommunications, Robotics, Remote Sensing, Automation Control Systems, Operations Research Management Science, Information Science Library Science and Science Technology Other Topics.

To all of this studies we have applied inclusion and exclusion criteria in order to identify our primary studies. The results are reported in Tables 40 - 54.

2.7 Search and selection of the papers published by SpringerLink

Since the automatic search of papers at SpringerLink is performed on the whole text, we had needed to use a special purpose **Smart Search** Java program (in development at University of L'Aquila), which applies the following query

```
((((("cyber physical" OR "cyber-physical" OR cyberphysical OR "networked control") AND system*)
                    OR CPS OR NCS) AND (attack* OR secur* OR protect*))
```

to a SpringerLink **Search**, and then reapplies the same query only to Title, Keywords and Abstract of each study identified in a previous step.

In this way, third February 2015 we have obtained the results shown in the Table 2:

Table 2: Smart Search results on the studies from SpringerLink

Year	**# of studies from SpringerLink**	**# of studies after Smart Search**
2006	778	**03**
2007	825	**05**
2008	869	**04**
2009	978	**11**
2010	1000	**09**
2011	1181	**13**
2012	1352	**19**
2013	1598	**33**
2014	2015	**41**
2015	386	**15**
Tot.	10982	**153**

To all of the studies obtained via Smart Search we have applied inclusion and exclusion criteria in order to identify our primary studies. The results are reported in Tables 55 - 61.

2.8 Search and selection of the papers published by John Wiley & Sons

The automatic search of the papers published by John Wiley & Sons was performed by applying the string

```
((((("cyber physical" OR cyberphysical OR "networked control") AND systems)
  OR CPS OR NCS) AND (attack* OR secur* OR protect*)) in Article Titles OR
((((("cyber physical" OR cyberphysical OR "networked control") AND systems)
   OR CPS OR NCS) AND (attack* OR secur* OR protect*)) in Abstract  OR
((((("cyber physical" OR cyberphysical OR "networked control") AND systems)
    OR CPS OR NCS) AND (attack* OR secur* OR protect*)) in Keywords
```

as a query in **Wiley Online Library**'s Advanced Search. The results were restricted to the time interval between 2006 and 2015.

Sixteenth February 2015 this search gave **419** results.

To all of them we have applied inclusion and exclusion criteria in order to identify our primary studies. The results are reported in Tables 62 - 78.

Table 3: Studies **0001 - 0025** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0001	[SPTF14]	✗									
0002	[GGH12a]	✓	✗								Cases in which low-level jamming attacks can improve the systems' convergence time
0003	[AMP14a]	✗					✓				
0004	[XLZ+08]	✗									Certificateless signature scheme for MANET
0005	[SGZ09]	✗									
0006	[XZ13]	✗									
0007	[HLNN09a]	✗									
0008	[ZCZP13]	✗									
0009	[MBD+13]	✗									
0010	[SMB12]	✗									
0011	[HRT+13]	✓	✗				✓				
0012	[LCZ+14a]	✓	✓	✓							Extension of single-switch coordinated attack
0013	[Sha14a]	✗									
0014	[ALLY12a]	✗									
0015	[CSC11a]	✗									Banyan Tree Guardian in a Confucian Temple
0016	[SGLL13]	✓	✗	✗						✓	
0017	[AMP14b]	✓	✗								
0018	[PZWH13]	✗									
0019	[DCS+13a]	✗									
0020	[XZYY13]	✗									
0021	[FG12a]	✗									
0022	[Mas14]	✗									
0023	[CM13b]	✗									Machine to machine communication security
0024	[VRC+14]	✗									
0025	[WK12a]	✗									

Table 4: Studies **0026 - 0050** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0026	[WKZBP14a]	✗									
0027	[RAK14]	✓	✗								Formal satisfiability framework for analysis of stealthy attacks considering several attributes
0028	[LMK+13]	✓	✗								See also 0565, 0068, 0170, 0448, 0012, 0446, 1032
0029	[VM14c]	✗					✓				
0030	[MRY11]	✓	✗	✗			✓				
0031	[ZFL10]	✗									
0032	[JSKR14]	✗									
0033	[MC11a]	✓	✗								*Performance* analysis of IDS for CPS
0034	[ZRB11]	✓	✓	✗							
0035	[WDGZ13]	✗									
0036	[MYX+10b]	✗									
0037	[CZ14c]	✗									
0038	[MKA+11]	✗									
0039	[LLSS13]	✗									
0040	[WWZ14]	✗									
0041	[KL12a]	✗									
0042	[OA14]	✓	✗				✓				
0043	[ZDMZ11]	✗									
0044	[RME09]	✗									
0045	[LZC+13]	✗									
0046	[HM14a]	✓	✗				✓				Multiple security domains nondeducibility
0047	[JCL11]	✗									
0048	[MHR14b]	✗									
0049	[HM13a]	✓	✗				✓				Multiple security domains nondeducibility
0050	[VM14d]	✓	✗	✗			✓				

Table 5: Studies **0051 - 0075** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0051	[RAB13a]	✗									
0052	[YLM+12a]	✗									Mitigates false data injection in *sensor networks*
0053	[CCJ+11]	✗									
0054	[LCBP14a]	✓	✗								Network flow-based wormhole attacks, mitigation
0055	[CBP12a]	✓	✓	✓							Passivity-based framework for *composed attacks*
0056	[KKS09a]	✓	✓	✓			✓				A passivity-based framework for resilient CPS
0057	[YCD14]	✗									
0058	[SS12a]	✗									
0059	[OS11]	✗									
0060	[YH10]	✗									
0061	[FZ11]	✗									
0062	[LID+13a]	✗									
0063	[ZC14a]	✗									Linear consensus algorithm for formation control
0064	[GLM12]	✓	✗				✓				Resilient condition assessment *monitoring* system architecture and supporting methods
0065	[TISN10]	✗									
0066	[HCMX11]	✗									
0067	[ZXLW13]	✓	✗				✓				
0068	[LMK+12a]	✓	✗								See also 0565, 0028, 0170, 0448, 0012, 0446, 1032
0069	[CLCC13]	✗									
0070	[LHL12]	✗									
0071	[FF12]	✗									
0072	[SWYS11]	✗									
0073	[WGL+13]	✓	✗						✓		
0074	[MQMN11]	✗									
0075	[DGK10a]	✗									

Table 6: Studies **0076 - 0100** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0076	[ARV+13a]	✓	✗								
0077	[LXS13]	✗									
0078	[ZJS11]	✗									Overview and taxonomy of attacks on SCADA
0079	[LWZ+13b]	✗									Smart phones are not CPS!
0080	[GSL+14]	✗									
0081	[CGS+14]	✗									Smart systems design: system-level methodology
0082	[MEVAL12]	✗	✗								Automatic generation control (AGC) intrusion detection via residual generators (non linear FDI)
0083	[ZC11a]	✓	✗								Trade-off model of dynamic performance, security
0084	[Bur13a]	✓	✗								Security framework using trusted computing enabled components and an access control structure
0085	[SSL+13]	✗									
0086	[MS11]	✗									Dependability in CPS
0087	[GC13]	✗									
0088	[WA14a]	✗									
0089	[VSRU14]	✗									
0090	[RFBB14]	✓	✗								Human behaviour in CPS architecture
0091	[RZB12]	✗									Agent-based resilient control systems for CPS
0092	[SM12a]	✗									
0093	[QLC+13]	✗									
0094	[PKK12a]	✓	✗								
0095	[Yav14a]	✗									
0096	[QYG+11]	✗									
0097	[ZZW08]	✗									
0098	[CZPB13]	✓	✗				✓				Industrial control systems: proactive defence system framework using cryptography
0099	[LW10]	✗									
0100	[ZLXM11]	✗									

Table 7: Studies **0101 - 0125** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0101	[ZISGS10]	✗									
0102	[TS10]	✗									
0103	[ZLY13a]	✗									
0104	[DGW14]	✗									
0105	[CGM08a]	✗									
0106	[LZZW12]	✗									
0107	[AJJS14]	✗									
0108	[TMY+12]	✗									
0109	[GPX+13]	✓	✗								Overview of CPS security threats, vulnerabilities
0110	[TLG08a]	✓	✗	✗							
0111	[ZIT07a]	✗									
0112	[GWA13a]	✗									
0113	[XYY13]	✗									
0114	[WDL14a]	✓	✗								Aspect-oriented modelling (AOM) techniques
0115	[SZ13a]	✓	✗				✓				
0116	[SR13a]	✗									
0117	[PDB13b]	✓	✓	✓							
0118	[ZS10]	✗									
0119	[JW12]	✗									
0120	[CPK+10]	✗									
0121	[SP13a]	✗									CPS challenges and solutions for aviation
0122	[HWSN13]	✗									Smart grid with changing monitoring strategies
0123	[MC12b]	✗					✓				Intrusion detection technique of medical devices (sensors or actuators) embedded in a medical CPS
0124	[MC15]	✗					✓				The same comment as for 0123
0125	[MC13a]	✓	✗				✓				Smart grid applications: behaviour-rule based IDS

Table 8: Studies **0126 - 0150** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0126	[vCPW10]	✗							✓		
0127	[JGB14]	✗									
0128	[AE12a]	✗					✓				EvoSense: biological immune system-like defence of network of host machines
0129	[MAVM11]	✗									
0130	[CM12c]	✗									
0131	[LAM+10]	✗									
0132	[ZG14]	✗									
0133	[San12]	✗								✓	
0134	[PKK12c]	✗									
0135	[MHWS13a]	✗									
0136	[LWW15]	✗									TACT system against jamming attacks
0137	[LJZ+11]	✗								✓	
0138	[SQZ14]	✗									Cascading effects in interdependent networks
0139	[ZC12a]	✓	✗								Performance-security trade-off optimization
0140	[LSC+12a]	✗									
0141	[MUSN12]	✗									
0142	[HWSN14]	✗									Cascading failures in interdependent CPS
0143	[GACW07d]	✗									
0144	[HTW12]	✗									
0145	[SAK+13]	✗									
0146	[DLS+13]	✗									
0147	[FGNA09]	✗									
0148	[LBS11a]	✗							✓		
0149	[LLD11a]	✓	✗								Evaluation of sensor's trustiness by comparing its reports with prediction from Kalman filtering
0150	[ZTDL13]	✓	✗								

Table 9: Studies **0151 - 0175** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0151	[DMPO07e]	✗									
0152	[FCD+13]	✗									
0153	[GK13a]	✗									
0154	[LWQ+11]	✗									
0155	[CZDW12]	✓	✗								
0156	[McM09a]	✓	✗							✓	
0157	[GPS+13]	✗									
0158	[GRM11a]	✓	✓	✓			✓				External observability for basic regular networks & event compensation: RELATED, cyber only
0159	[DMPO07f]	✗									
0160	[XWDX08]	✗									
0161	[GYLL13]	✗									
0162	[LA13]	✓	✓	✓							Combination sum of energy profiles attack, grid sensor placement alg., IDS for distribution nets
0163	[HLM+13]	✗									
0164	[HI13]	✗									
0165	[WZZ+14a]	✗									
0166	[UL14]	✗									
0167	[ZC13a]	✓	✗				✓				Secure distributed control methodology - two new recovery schemes for leaderless consensus
0168	[Zha14a]	✗									
0169	[SLC+13]	✗									
0170	[LKZBP12c]	✓	✓	✓							Coordinated variable structure switching attacks
0171	[FBS12a]	✗		✗							AMI-specific cyber incident response actions
0172	[SM14a]	✓	✗								
0173	[VSZB15]	✗					✓				CPIndex: security-oriented stochastic risk Mgmt
0174	[ZM10]	✗									
0175	[Kes11]	✗									

Table 10: Studies **0176 - 0200** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0176	[SHG12a]	✓	✗								
0177	[KM13a]	✗									
0178	[AKK13]	✗									
0179	[Jaz14a]	✗									
0180	[Sha12]	✓	✗						✓	✓	
0181	[CS14]	✓	✗								
0182	[Boy13a]	✗							✓		
0183	[ALSB13a]	✓	✗								
0184	[PDB11b]	✓	✓	✓							
0185	[LDSC10]	✗									
0186	[RMH+14]	✗					✓				
0187	[Che08b]	✗									
0188	[DRWR12a]	✗									Administrative security policies in the CPS
0189	[HSLG12]	✓	✗							✓	
0190	[HASG13a]	✓	✗								Overview of a smart grid security test bed
0191	[AIN11]	✓	✗								Physical Unclonable Functions (PUFs) as a device-centric alternative for security
0192	[PDB12b]	✓	✓	✓							Security of CPS based on geometric control theory
0193	[BBB+13b]	✓	✗				✓				Tools for designing attack-resilient grids and control systems: human decision making models
0194	[JMS+13]	✗									
0195	[PLL+13a]	✓	✗	✗							
0196	[Dag12]	✓	✗							✓	
0197	[TTSL11]	✗				✗					
0198	[VM14g]	✓					✓				
0199	[VBC14]	✓	✗	✗							CPS-attestation
0200	[Rav11]	✗									

Table 11: Studies **0201 - 0225** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0201	[Sch12]	✗									
0202	[TZD+12]	✗									
0203	[SV13]	✗		✗			✓				
0204	[SL12a]	✓	✗								CPS attack mitigation test bed at UCD
0205	[CZ14a]	✓					✓				Cyber-physical device authentication protocol
0206	[MKB+12b]	✓	✗								Summarises secure control against replay attacks
0207	[SHG12b]	✓	✗								Overview of CPS security
0208	[KK12b]	✗									
0209	[MCP+13a]	✓	✗								Physical and Cyber Risk Analysis Tool prototype
0210	[KGHS14a]	✓	✗								
0211	[ZS08a]	✗									Trust rating assuring the validity of data fusion
0212	[GSK13]	✓	✗								Cyber-physical data fusion via Theory of Evidence
0213	[WWC+13]	✗									
0214	[CHYO13a]	✗					✓				
0215	[AE11]	✗									
0216	[MPSP13]	✗								✓	
0217	[SB14]	✓	✗							✓	
0218	[PBW+13b]	✓	✗							✓	Platform-aware attack-resilient vehicular systems
0219	[HSH+13]	✗								✓	
0220	[WA11]	✗									
0221	[MV14]	✓	✗								Characteristics of real deceptive attacks, proposed concrete smart grid blackout attack
0222	[ZWL10]	✗									
0223	[YCLS09a]	✗									
0224	[PL12a]	✓	✗								
0225	[PZ15]	✓	✗								Trade-offs among control performance, system security, platform schedulability in constrained CPS

Table 12: Studies **0226 - 0250** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0226	[Uli07a]	✗									
0227	[DMnPO07]	✗									
0228	[MMK13]	✗									
0229	[KSJ13a]	✗									
0230	[XXX+10]	✗									
0231	[SM14b]	✓	✗								
0232	[WQ08]	✗									
0233	[KM14]	✗							✓		
0234	[UM12]	✗									
0235	[PMN+14a]	✓	✗								
0236	[ABEP13a]	✗									
0237	[Zha14b]	✗									
0238	[And08a]	✗									
0239	[Kim10]	✗									
0240	[CA12]	✗									
0241	[MCS14a]	✓	✓	✓							
0242	[LYL10]	✗									
0243	[PLZ12]	✓	✗				✓				Detection of backward channel deception attacks via DES + strong tracking filter (STF)
0244	[MCHL14]	✓	✓	✓							
0245	[Nta15]	✓	✗				✓				Anomaly-based detection of integrity attacks by *applying* linear time-invariant and neural networks approaches
0246	[GS11a]	✓	✗								
0247	[SM12b]	✗									
0248	[HDE+13]	✗									
0249	[WYZY13]	✗									
0250	[KBDO14]	✗									

Table 13: Studies **0251 - 0275** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0251	[DPB11]	✓	✓	✓	✓	✓					
0252	[CYM14]	✗									Distributed general-anomaly-detection scheme for large-scale networked industrial *sensing* systems
0253	[TSH+14]	✗									Smart-Grid Common Open Research Emulator
0254	[CEAN12]	✗									
0255	[LTWY13]	✗									
0256	[FEAC13]	✗									Real-time energy harvesting sensors cryptosecurity
0257	[YWTZ13]	✗									
0258	[KSS12a]	✗									
0259	[MC13c]	✓	✗								
0260	[DPH10]	✗									
0261	[ZLGX13]	✗									
0262	[NTZL13]	✗									
0263	[SWG14]	✗									
0264	[Ami10a]	✓	✗								
0265	[MPDO09]	✗									
0266	[SSA+14]	✗									
0267	[GGW12b]	✗									
0268	[Tak11]	✗									
0269	[HFB+14b]	✓	✗								
0270	[HR14]	✓	✓	✗			✓				Smart card based password authentication
0271	[GMR10]	✓	✗				✓				
0272	[MSR+09]	✓	✗								
0273	[Ove12]	✗		✗						✓	
0274	[NTAL13]	✗					✓				
0275	[VM14a]	✓	✗	✗			✓				

Table 14: Studies **0276 - 0300** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0276	[BVMG12a]	✗									
0277	[MMS10]	✓	✗								Example of unintended information flow in CPS
0278	[SGH13]	✓	✗								
0279	[SYC+12]	✗									
0280	[SS13]	✗									
0281	[MKKP12a]	✗					✓				Component hiding techniques in digital circuits
0282	[SFP13]	✗					✓				Evidence Theory for fault diagnosis (sensors)
0283	[Uli07b]	✗									
0284	[LYCY10b]	✗									
0285	[ODP+13]	✗									
0286	[ZDLG13]	✗									
0287	[ZJ12a]	✗									
0288	[Sve10]	✗									
0289	[CTX+12a]	✗									
0290	[CTX+10a]	✗									
0291	[DMF+14]	✓	✓	✓							
0292	[SRHS14]	✗									
0293	[CC10]	✗									
0294	[ZGP13]	✓	✗				✓				Placement of phasor measurement units
0295	[SPS+11a]	✓	✗	✗							
0296	[HZR+13b]	✓	✗				✓				
0297	[LVS+12a]	✗									
0298	[VW11]	✗									
0299	[VBG09]	✗									
0300	[WW14]	✗									

Table 15: Studies **0301 - 0325** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0301	[WDD+13]	✗									
0302	[RLQ11a]	✗									
0303	[WPSR14]	✓	✗								
0304	[JPTT14]	✗									
0305	[MZH+11]	✗									
0306	[CV10]	✗									
0307	[AFH+10a]	✗									
0308	[DHK+08a]	✗									
0309	[CRM13a]	✗									
0310	[CW12]	✗									
0311	[LWW12a]	✗									
0312	[PKBT14a]	✓	✓	✓							
0313	[KF13a]	✗									
0314	[RLPS07]	✗									
0315	[KH13]	✓	✓	✓							
0316	[TPDP11]	✗									
0317	[SCH13a]	✗									
0318	[SL12b]	✗									
0319	[LX13]	✗									
0320	[AX14]	✗									
0321	[MC11e]	✗									
0322	[ZIPT06a]	✗									
0323	[XZWS14]	✓	✗				✓				
0324	[CYZK13]	✗									
0325	[CBPGK14]	✓	✗								

Table 16: Studies **0326 - 0350** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0326	[Yu12]	✗									
0327	[ASH13a]	✓	✗				✓				CPS security investment decisions and risks assessment: game-theoretic framework
0328	[Sri14]	✗									
0329	[Law11]	✗									
0330	[LG13]	✗									Game-theoretic formulations in resilient condition assessment monitoring
0331	[CCC14]	✗									
0332	[GCAW07a]	✗									
0333	[RPM+13]	✗									
0334	[MHR13]	✗									
0335	[KGG14]	✗									
0336	[PK13]	✗									
0337	[OLKR14]	✗									
0338	[ZZ13]	✗									
0339	[SM13a]	✓	✗	✗							
0340	[Pol10]	✗									
0341	[MSOH10]	✗									
0342	[LTZZ13]	✗									
0343	[ACK+11a]	✗									
0344	[ACK+11b]	✗									Duplicate of [ACK+11a]
0345	[LSHP12]	✓	✗								
0346	[HXCL14a]	✓	✗	✗							
0347	[DDC12]	✗									
0348	[CJ10]	✗									
0349	[LSC+13]	✗									WSN with a remote estimator and jamming
0350	[LLDM11a]	✗									Physical system state in the key establishment between the sensor and the controller

Table 17: Studies **0351 - 0375** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0351	[WHL+11]	✗									
0352	[Sto13a]	✗									
0353	[AMC13a]	✗					✓				Theory of platoon dispersion in the detection of cyber space (Sybil) attacks in vehicular networks
0354	[RSYR11b]	✗									
0355	[Mil10]	✗									
0356	[SKY+13a]	✗					✓				
0357	[QMK10]	✗									
0358	[KNK13]	✗									
0359	[JTT11]	✗									
0360	[SSF14]	✓	✗	✗							
0361	[Axe13a]	✓	✗								
0362	[KMV07]	✗									
0363	[MFG+08a]	✗									
0364	[Nef14]	✗									
0365	[Sok11]	✗								✓	
0366	[GRMC13a]	✓	✓	✗			✓				
0367	[QZZL13]	✗									
0368	[MQF13a]	✗									
0369	[RRA14]	✗									
0370	[ALD13]	✓	✗								
0371	[AM09a]	✓	✗								
0372	[DMM+13a]	✗									Detecting critical nodes: model-driven approach
0373	[ZC13c]	✓	✗								Trade-off model: dynamic performance, security
0374	[CWG+12]	✗									
0375	[GG06]	✗									

Table 18: Studies **0376 - 0400** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0376	[LL11]	✗									
0377	[SME+13a]	✓	✗								
0378	[KBPC12]	✓	✗				✓				BDMP security modelling
0379	[LWW14a]	✗									
0380	[LFK14]	✓	✗								
0381	[Bos10a]	✗									
0382	[KS13a]	✓	✓	✓							
0383	[LDZ14]	✗	✗								CPSMorph: traffic morphing in CPS sessions
0384	[CN12a]	✗									
0385	[Her12]	✗								✓	
0386	[BSS09]	✗									
0387	[AKN12]	✗									
0388	[QLZH10]	✗									Networked control system laboratory (NCSLab)
0389	[MYX+10a]	✗									
0390	[CBPNK14]	✓	✗								Network delay caused by cyber attacks on CPS
0391	[VSDS12a]	✓	✗								Power systems: security metrics quantifying the importance of individual substations & the cost of attacking individual measurements
0392	[JQ11]	✗									
0393	[LL09a]	✗									
0394	[GC10]	✗									
0395	[TSJ10b]	✓	✓	✓							
0396	[ZB13]	✗									
0397	[RLYL12]	✗									
0398	[TEPS14]	✗									Networked Unknown Input Observer
0399	[RTS11]	✗									
0400	[Rie10]	✗									

Table 19: Studies **0401 - 0425** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0401	[DD09]	✗									
0402	[LYHT11]	✗									
0403	[YQZC11]	✗									
0404	[BS13]	✓	✓	✓							
0405	[HDPS13]	✗									Authentication in security of in-vehicle *networks*
0406	[PJC+11]	✗									
0407	[LYY+12a]	✗					✓				Energy *routing process*: false data injection *attacks*
0408	[YYY+14a]	✓	✓	✓							Attacks against power system state estimation
0409	[TWAS+11]	✗									Secure and statistically reliable UDP (SSR-UDP)
0410	[BBCM13]	✗									FPGA: security, robustness of heterogeneous *nets*
0411	[LMZ13]	✗									
0412	[LLY14]	✗									
0413	[ASS11a]	✓	✗								Incentives to *invest* in the improvement of network reliability and security in NCS
0414	[SZT14]	✗									
0415	[ZM14b]	✓	✓	✓							Variation of the receding-horizon control law to deal with the replay attacks on NCS
0416	[YYX14]	✗					✓				Security of compressed sensing based signal cryptosystem via information theory frame
0417	[WKZ12a]	✗									Smart grid: 2-tier hierarchical control framework
0418	[KT13a]	✓	✓	✓							
0419	[ALB+13]	✗					✓				Run-time control flow graph validation in HW
0420	[GLB11a]	✓	✓	✓							Saddle-point encoding and control *strategies* under an adversarial attack
0421	[YBE+10]	✗									
0422	[YQZC12b]	✗					✓				
0423	[ZCSC14]	✓	✓	✓							
0424	[ZCSC13]	✓	✓	✓							
0425	[Ver08a]	✗									

Table 20: Studies **0426 - 0450** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0426	[KSR14a]	✗									
0427	[GRP13a]	✗									
0428	[ZC12c]	✓	✗								Tradeoff model: NCS RT performance, security
0429	[GC08a]	✓	✗								NCS infosec, time-sensitive performance, tradeoff
0430	[GACW07b]	✓	✗								
0431	[TQX11]	✗									Max window of lost packets the system tolerates
0432	[MBDK14]	✗									
0433	[JGS10]	✓	✗				✓				
0434	[Das12b]	✗								✓	
0435	[CSAB11]	✓	✗				✓				Petri nets for coordinated attack modelling
0436	[SJCL12]	✗									
0437	[MRCD13]	✗									
0438	[ASBG14]	✗									
0439	[YHG12]	✗								✓	
0440	[Ped13a]	✗								✓	
0441	[XWZ14]	✓	✗								
0442	[MN14]	✗									
0443	[McM12a]	✓	✗								
0444	[Ven13]	✗									
0445	[ZCMY13a]	✗									
0446	[WKZBP12a]	✓	✓	✓							Defence against information corruption
0447	[KSR14b]	✗									
0448	[LCK+13a]	✓	✓	✓							
0449	[LESA13a]	✗									
0450	[OTI13a]	✗									

Table 21: Studies **0451 - 0475** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0451	[AVNS+11]	✗									
0452	[SYZ13]	✗									
0453	[FM14]	✓	✗				✓				
0454	[SZ14]	✓	✗								
0455	[AV13]	✗									
0456	[HKL+12]	✗									
0457	[GBR14b]	✓	✗								
0458	[JZTZ13]	✗									
0459	[KS08]	✗									
0460	[KLS13]	✗									
0461	[LNTP14]	✓	✗				✓				Differential privacy for RT traffic state estimators
0462	[LSM+13a]	✗									
0463	[CGSW14a]	✗									Try-Once-Discard in wireless multihop networks
0464	[Zha11]	✗									
0465	[SLC+09a]	✗									
0466	[Axe14]	✗	✗								
0467	[MS10]	✗									
0468	[ZXW14]	✓	✗				✓				
0469	[FF14a]	✗									
0470	[ZWS13]	✓	✗				✓				
0471	[LSS14a]	✗	✗				✓				
0472	[KHH+11]	✗									
0473	[Sta14]	✗									
0474	[SC14]	✗									
0475	[LZZ+13]	✗									

Table 22: Studies **0476 - 0500** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0476	[ZY13a]	✗									
0477	[ZLZ10]	✗									
0478	[ZZCL13]	✗									
0479	[RRA+12]	✗								✓	
0480	[YZS+13]	✓	✓	✓							CPS resilient against DoS attacks
0481	[KKT12a]	✓	✗				✓				Message protection framework for CPS comm.s
0482	[NdNWS11a]	✗									
0483	[XRK08]	✓	✗				✓				
0484	[HXKZ12]	✗									
0485	[WYW13]	✗									
0486	[Kho11]	✗									
0487	[ZTJM13]	✗					✓				Authentication via elliptic curve cryptography
0488	[ZB11a]	✓	✓	✓							Holistic robust and resilient design for CPS
0489	[GQS14b]	✗									*Consensus dynamics*, additive stealthy attacker
0490	[SHZ14a]	✗	✗								
0491	[PWB+14]	✓	✓	✓							
0492	[ZHW+11]	✗									
0493	[BSS10]	✓	✗								
0494	[TrIG12]	✓	✗				✓				Holistic approach that addresses safety, reliability and security in communication and control
0495	[BL13]	✗	✗								
0496	[BMMC11]	✗									Sandboxing of CPS controllers using Simplex architecture
0497	[RC11a]	✗									
0498	[Nic12]	✗								✓	
0499	[ZWY+14]	✗									
0500	[ZRB+12a]	✓	✓	✓							

Table 23: Studies **0501 - 0525** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0501	[SLD+09a]	✗									
0502	[VSZ13a]	✗									
0503	[CAS08]	✓	✗								Secure control position paper
0504	[ZCN12a]	✓	✗				✓				Methodology for secure consensus in a D-NCS in the presence of misbehaving nodes
0505	[KS13d]	✓	✗				✓			✓	Detection of compromised comm.s over a sensor net: notions of local & nodal consistency
0506	[FTD14a]	✓	✓	✓							
0507	[PL10]	✓	✗								
0508	[SPB08a]	✓	✗						✓		Survey of security of the e-enabled airplane
0509	[OSIE07]	✗	✗				✓				
0510	[TATA10]	✓	✗								
0511	[SBC13]	✗									
0512	[HCCC14]	✗									
0513	[PZLL11]	✓	✗				✓				
0514	[PS13a]	✗								✓	
0515	[CM12b]	✓	✗							✓	
0516	[VM14e]	✓	✗	✗			✓				
0517	[McL13b]	✓	✗	✗							
0518	[ABP14]	✗					✓				Side channel attacks on embedded systems
0519	[KLH13a]	✓	✓	✓							
0520	[JXH+12]	✓	✗								Power grids' security assessment with power adjacency matrix
0521	[XLX+13]	✓	✗								CPS' risk assessment with the use of attack tree
0522	[RXD12]	✓	✗								Dynamical network spread models: security
0523	[ABPZ14]	✓	✗						✓		SCADA: security vulnerabilities' state-of-the-art
0524	[PGLZ13]	✗									
0525	[KS13c]	✓	✗				✓			✓	The same line as 0505

Table 24: Studies **0526 - 0550** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0526	[WYX+10]	✓	✗								
0527	[TM08c]	✓	✗				✓				
0528	[HDS14]	✗	✗								
0529	[FL11]	✓	✗								
0530	[CPK14]	✗									
0531	[GGBG13a]	✗									
0532	[CM13a]	✗	✗								Semi-autonomous consensus network security
0533	[PP13]	✗									
0534	[Zha10]	✗								✓	
0535	[USB14]	✓	✗	✗			✓				Sensory channel aware IDS
0536	[SL10]	✗									
0537	[LCH07]	✗									
0538	[HWNS14]	✗									
0539	[CKYW12a]	✗	✗								
0540	[LLL+11a]	✗									
0541	[GS12d]	✓	✗								
0542	[LAH11]	✗									
0543	[HTC12]	✗									
0544	[YBNS13a]	✓	✗								
0545	[VYR12a]	✓	✗								
0546	[Ami12a]	✓	✗	✗						✓	
0547	[AAS13]	✓	✗				✓				
0548	[HLV12a]	✗									
0549	[RBA12]	✓	✗								
0550	[ZZJD12]	✗									

Table 25: Studies **0551 - 0575** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0551	[ZDD+14a]	✓	✗								Cyber-physical security index
0552	[SDZ13]	✗	✗								
0553	[ZZC+13a]	✗									
0554	[SP11]	✗									
0555	[ZM11b]	✓	✓	✓							
0556	[KSC12]	✓	✗								Stochastic stability of the state filtering *strategy* related to [0382]
0557	[CGD+11]	✗									Race Checker for interrupt-driven SW
0558	[KRG13a]	✗									Multi-agent systems, jamming attacks
0559	[SYS+13]	✗									
0560	[SYS+13]	✗									
0561	[KSZ13a]	✓	✗				✓				Joint assessment of safety and security in CPS
0562	[Kar11a]	✓	✗								
0563	[KTT15]	✓	✓	✓							
0564	[MC11c]	✓	✗				✓				
0565	[LFK+11b]	✓	✓	✓							
0566	[LYLX14]	✗									
0567	[KKP11a]	✗									
0568	[WLYC13]	✗									
0569	[WLS+12]	✗	✗								
0570	[MSC14]	✗									
0571	[YHK+12]	✓	✓	✗			✓				Data-flow diagrams extension for CPS attacks
0572	[MZ11]	✓	✗								
0573	[ST11]	✗									
0574	[HEW12]	✗	✗				✓				
0575	[HPG14a]	✓	✓	✗							Taxonomy of attacks on smart grid, abnormal output observer

Table 26: Studies **0576 - 0600** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0576	[GPDL14]	✗									
0577	[YSJ13]	✗									
0578	[LD08]	✗									
0579	[SDB14a]	✓	✗				✓				
0580	[BTK+07a]	✗									
0581	[WZN13a]	✗									
0582	[App13a]	✓	✗								
0583	[GPD+13a]	✓	✗								
0584	[SWYP12]	✗									
0585	[JA12b]	✗									
0586	[YC13]	✗									
0587	[MWP10]	✗									
0588	[HLL13]	✗									
0589	[DM09]	✓	✗				✓				
0590	[Ros10]	✗									
0591	[SY13]	✗									CPS traffic characteristics
0592	[Wan11]	✗									Stripping principle for transformation of networked synchronization control into decentralized control
0593	[SG11]	✓	✓	✓			✓				Anomaly detection in CPSs: data fusion (based on thresholds) for automatic decision making
0594	[CTC12]	✗									
0595	[KS14]	✓	✗								Extension of the use of work related to [0382]
0596	[FWMR13]	✗									
0597	[Hew11]	✗									
0598	[ZWHY13]	✗									
0599	[HHC+13a]	✗					✓				
0600	[HCH+13a]	✗									

Table 27: Studies **0601 - 0625** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0601	[SSS+13b]	✗									
0602	[WMH10]	✗									
0603	[ZHBQ10]	✗									
0604	[ZH10]	✗									
0605	[LSM09]	✗									
0606	[Lee13]	✗									
0607	[MM14]	✗									
0608	[BGEZ14]	✗									
0609	[TYK+10]	✗									
0610	[BC10]	✗									
0611	[PRBL13a]	✗									
0612	[BO12]	✓	✗								State estimation: trust aware particle filter, that is robust to false data injection attacks
0613	[JEG+13a]	✗					✓				Multicast communication: trusted computing architecture
0614	[Boy13b]	✗	✗								
0615	[LK13a]	✗								✓	
0616	[WK12c]	✓	✗								Framework for analysing attacks & mitigation approaches in smart grid systems.
0617	[PV14]	✓	✓	✓			✓				Data injection attacks on Markov modelled dynamical systems (adversary's perspective)
0618	[QLC12]	✓	✗								Unidentifiable attack: enumerating feasible cases
0619	[MDN+11]	✗									
0620	[HCL11]	✗									
0621	[HHPH12]	✓	✗	✗							Cyber-phy attack model via hybrid attack graph
0622	[XCWW11]	✗									
0623	[GS11b]	✗	✗								
0624	[DNWRR13]	✗									Formal description of ZS-QRAM scheduling
0625	[JL14]	✗									

Table 28: Studies **0626 - 0641** (in alphabetical order) from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0626	[MA12]	✓	✗	✗			✓				Information flow properties in a CPS: specification and verification via bisimulation techniques
0627	[MWM13]	✗									
0628	[BDAB13]	✗									
0629	[Zha13]	✗									Specification and modelling of aerospace CPS: view oriented approach
0630	[GSSF14]	✗									
0631	[SP10a]	✓	✗				✓				ADS-B IN based airborne surveillance: protection of message integrity
0632	[LFC+12]	✗									
0633	[TLM08a]	✓	✗				✓				
0634	[RWRW12]	✓	✗								NSC for the vulnerability of a link in a network of controlled linear dynamical systems
0635	[HPS12]	✗	✗								
0636	[KSM13a]	✓	✗								
0637	[LHLY13]	✗									
0638	[KSK13]	✗								✓	
0639	[GW13]	✗								✓	
0640	[AY12]	✗								✓	
0641	[HBJ10]	✗									

Table 29: Studies **0642 - 0668** from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0642	[PDB15b]	✓	✓	✓							
0643	[ZB15a]	✓	✓	✓							
0644	[LZSV15]	✓	✗								Path-based constraints to minimise security risks
0645	[How15a]	✓	✗							✓	
0646	[MWS15]	✓	✓	✓							
0647	[LAP15a]	✓	✗								Stochastic (Markov) security game for analysis of best defensive actions building upon the risk analysis conducted, under resource limitations
0648	[YLY+15a]	✗									Re-printing of 0052
0649	[SM15b]	✗									
0650	[TSSJ15c]	✓	✓	✓							
0651	[ZWXT15]	✓	✗				✓				
0652	[FPH+15a]	✗									
0653	[Smi15]	✓	✓	✓							
0654	[SAJ15a]	✓	✗								
0655	[ILBC15]	✓	✗				✓				
0656	[LY15]	✗								✓	
0657	[MVR14]	✗									
0658	[HSK+14]	✗									
0659	[GBR14a]	✓	✗								
0660	[MPS14a]	✓	✗								
0661	[GPCM14]	✗									
0662	[Mey14]	✗									
0663	[YCC14]	✗									Jamming of low-duty-cycle networks
0664	[FDV14]	✗									
0665	[BGC+14]	✓	✗								
0666	[GAP14]	✗									
0667	[SDZN14]	✗							✓		
0668	[EHZC14]	✗									

Table 30: Studies **0669 - 0692** from **IEEE Xplorer Digital library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
0669	[DFN14]	✓	✓	✓							
0670	[PTW+14]	✗	✗						✓		
0671	[LLZ+14]	✓	✗							✓	
0672	[HRWH14]	✗					✓				
0673	[GSMZ14]	✓	✗								
0674	[MZ14]	✓	✓	✓							
0675	[BBMV14]	✗									
0676	[DHGX14]	✗								✓	
0677	[Red14]	✗	✗								
0678	[NGA14]	✗					✓				
0679	[GMR14]	✓	✗								Resilient plant monitoring systems with focus on transient characteristics
0680	[BLP14]	✗									
0681	[SLB+14]	✓	✗				✓				
0682	[BASM14]	✗	✗								
0683	[KvK+14]	✓	✗								
0684	[PED14]	✗									
0685	[FZMQ14]	✓	✗								
0686	[VPB14]	✓	✗				✓				State estimation process: bad data detection for AC model
0687	[KSSN14]	✗									
0688	[MKTD14]	✓	✓	✓							
0689	[LZZ+14]	✓	✗						✓	✓	
0690	[AE14b]	✓	✗				✓				
0691	[ZZC+14]	✓	✗							✓	
0692	[AK14]	✗									

Table 31: Studies **1001 - 1025** (in alphabetical order) from **ACM DL Digital Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
1001	[LFK+11a]	✓	✓	✓						✓	Coordinated switching attacks: extended abstract
1002	[AHG11]	✓	✗								
1003	[ZB12b]	✓	✓	✗			✓				Robust control and cyber security policy against cascading failures
1004	[SSW08]	✓								✓	
1005	[TMBS14]	✓	✓	✓							Approach to revealing stealth attacks (design)
1006	[CC13]	✓	✓	✓			✓				Cyber attack detection: ex. in distributed systems
1007	[PA14]	✓	✗								Net interdiction model: vulnerabilities' analysis
1008	[WJ07a]	✗									
1009	[WJ07b]	✗									The same as 1008: [WJ07a]
1010	[TGP08]	✗								✓	
1011	[YWR+10]	✗									
1012	[BPW14]	✗	✗				✓				
1013	[DMK+09a]	✗									
1014	[MC14b]	✓	✗						✓		Survey of IDS for CPSs
1015	[WCJ07]	✗									
1016	[Pu11]	✗								✓	
1017	[RC11b]	✗									
1018	[FLCM13]	✓	✗							✓	
1019	[NWGP12]	✗									
1020	[FIM13]	✗									
1021	[AB11a]	✗									
1022	[MLH+09]	✓	✗								
1023	[GS12c]	✓	✗								
1024	[SBT11]	✗									
1025	[JBL08]	✗									

Table 32: Studies **1026 - 1050** (in alphabetical order) from **ACM DL Digital Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
1026	[WDL14b]	✓	✗								Aspect-oriented modelling: security assessment
1027	[TPSJ12a]	✓	✓	✓							Attacks on NCS and counter-measures
1028	[CAL+11]	✓	✓	✓							Attacks on PCS: detection, response
1029	[PMAM13]	✓	✗								Causal event graphs for deriving deterministic IDS signatures of CPS behaviours
1030	[Tsu14]	✗								✓	
1031	[KSP+14]	✗									
1032	[LKZBP12a]	✓	✓	✓							Coordinated variable structure switching attack mitigation
1033	[GWH13]	✓	✗				✓				Attack on autonomous vehicular transportation
1034	[DKF+14]	✓	✗								
1035	[KCML14]	✓	✗								See also 4134, 2007
1036	[BCQMN14]	✗					✓				Attacks on Demand Response in the smart grid
1037	[McL13a]	✗					✓				C^2: an enforcement mechanism for policies governing the usage of electromechanical devices
1038	[Das12a]	✗									
1039	[Das11]	✗									
1040	[HP13a]	✗									
1041	[Ada09]	✓	✗							✓	
1042	[KSS12c]	✓	✗								
1043	[DU08]	✗									
1044	[HM14b]	✗									Aspect-oriented modelling: security assessment
1045	[EK14]	✓	✓	✓							Energy-based attack detection mechanism
1046	[LZYC09]	✗									
1047	[GBBB13]	✓	✗				✓				
1048	[SP07a]	✗									
1049	[PJ12]	✓	✗								Programming language $E^{\#}$ for formal verification of security properties of event-driven CPS
1050	[GS12a]	✗									

Table 33: Studies **1051 - 1075** (in alphabetical order) from **ACM DL Digital Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
1051	[AG14]	✓	✗							✓	
1052	[Cĺ4]	✓	✗	✗						✓	Invited talk: only the abstract is available
1053	[CKN+13]	✗	✗				✓				Workflow-oriented assessment framework
1054	[CRM13b]	✗									
1055	[LHH+14]	✓	✗								Hybrid attack graph
1056	[Ber13]	✗									
1057	[AM10a]	✓	✗				✓				
1058	[GARM11]	✓	✗				✓			✓	
1059	[YXL+12a]	✓	✗								iSEE: platform for security experimentation
1060	[LM10]	✗									Co-simulation framework
1061	[MS12b]	✓	✓	✓							Integrity attacks on CPS: necessary condition to destabilise
1062	[KC14]	✓	✓	✓						✓	
1063	[Sig11]	✗								✓	
1064	[Nai14]	✗								✓	
1065	[SAT+13]	✓	✓	✓							Minimax control for CPS under packet scheduling attacks
1066	[MQF13b]	✗									
1067	[AM13]	✓	✗				✓				
1068	[Das10]	✗									Multi-modal sensing
1069	[HA12a]	✓	✗								Experimentation framework: testing NCS via DoS attacks
1070	[LYY+12b]	✓	✓	✓			✓				Duplicate of 0407
1071	[HWMD14]	✗	✗								
1072	[Poo14]	✓	✓	✗						✓	Only the abstract is available
1073	[BDG+07]	✗					✓				Cryptographic hardware embedded in CPS
1074	[VS08]	✗								✓	
1075	[FL14]	✗								✓	

Table 34: Studies **1076 - 1100** (in alphabetical order) from **ACM DL Digital Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
1076	[OTM14]	✗								✓	
1077	[SR10]	✗								✓	
1078	[SBAK12]	✗								✓	
1079	[GH13]	✗								✓	
1080	[SD14]	✗								✓	
1081	[SBBR13]	✗								✓	
1082	[PBSH14]	✗								✓	
1083	[BRAK14]	✗								✓	
1084	[SAS13]	✗								✓	
1085	[AAG14]	✗								✓	
1086	[EGOM13]	✗								✓	
1087	[HMZ10]	✗								✓	
1088	[CUPR13]	✗								✓	
1089	[dAP08]	✗								✓	
1090	[KLDPT12]	✗								✓	
1091	[NUB12]	✗								✓	
1092	[KSKP14]	✗								✓	
1093	[KGNW13]	✗								✓	
1094	[CH09]	✗								✓	
1095	[NWG14]	✗								✓	
1096	[MM12]	✗								✓	
1097	[Mit14]	✗									
1098	[ARA+14]	✓	✗	✗							
1099	[Ped13b]	✗									
1100	[LSM+13c]	✗									

Table 35: Studies **1101 - 1125** (in alphabetical order) from **ACM DL Digital Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
1101	[IPL14]	✗									
1102	[NdNWS11b]	✗									
1103	[LFP12]	✓	✗								Run-time method for process control violation prediction
1104	[MBB+13]	✗									Secure system simplex architecture for IDS
1105	[TDJ+14]	✓	✓	✓							Sensor spoofing attacks' detection approach
1106	[DDNK14]	✓	✗							✓	
1107	[Shy13]	✓	✗	✗							
1108	[Tem11]	✓	✗	✗							
1109	[Koh12]	✓	✗							✓	
1110	[ASS10b]	✓	✗								Incentives to invest in security for players which operate interdependent and identical NCS
1111	[FKWL11]	✓	✗								
1112	[GGBG13b]	✗									
1113	[CF14]	✓	✗								
1114	[HFB14a]	✗							✓		
1115	[MC12d]	✓	✓	✓			✓				No physical considerations at all
1116	[YHK+13]	✓	✗								
1117	[Tiw10]	✗								✓	
1118	[AS13]	✓	✗							✓	
1119	[ZDMK13]	✓	✗				✓				
1120	[ZBMM10]	✓	✓	✓			✓				Static timing analysis: detection of the execution of unauthorised instructions in RT environments
1121	[LCMM10]	✗									
1122	[POD+13]	✗									
1123	[DSE12]	✗									
1124	[PBW+13a]	✓	✓	✗						✓	Design framework for vehicular control
1125	[Fis14]	✓	✗				✓				

Table 36: Studies **1126 - 1149** (in alphabetical order) from **ACM DL Digital Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
1126	[DNWRR14]	✗									
1127	[SLBK13]	✗	✗								
1128	[CCE13]	✓	✗								
1129	[BK14]	✗									
1130	[Hub14]	✗								✓	
1131	[Pap11]	✗									
1132	[MMF+14]	✗									

Table 37: Studies **2001 - 2025** (in cronological order, from newest to oldest) from **ScienceDirect**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
2001	[ZWH+15]	✗									
2002	[AFP+15]	✗									
2003	[HTY15]	✗									
2004	[TSSJ15a]	✓	✓	✓							
2005	[YHK+15]	✓	✗								Cyber-physical attack description language (CP-ADL), taxonomy of attacks
2006	[DDGP15]	✗									
2007	[KCLG14b]	✓	✗								See also 4134, 1035
2008	[LSL+14b]	✓	✓	✓							
2009	[VLZ+14]	✗									
2010	[LLES14a]	✓	✓	✓							Optimal defence mechanism for the NCS under jamming attacks via the stochastic game theory
2011	[SKK14]	✗									
2012	[SYXL14]	✗									
2013	[FIM14a]	✗									
2014	[HaI14a]	✗									
2015	[LVG14a]	✓	✗								Resilient monitoring and control system
2016	[RMC14]	✗	✗						✓		Wireless IDS techniques studied in the literature
2017	[WCWW14]	✓	✗							✓	
2018	[Mes14]	✗									Formal patterns as solutions to frequently occurring distributed system problems
2019	[JKKW+14]	✗									
2020	[LHM+14b]	✗									
2021	[Wol14]	✗									CPS as control/computing co-design
2022	[SKLV14a]	✗									
2023	[HH14b]	✗									
2024	[Bek14]	✗	✗								
2025	[RA14]	✓	✗								

Table 38: Studies **2026 - 2050** (in cronological order, from newest to oldest) from **ScienceDirect**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
2026	[SPI+14]	✗									
2027	[MQD+13]	✗									
2028	[ZH13a]	✓	✗				✓				
2029	[SB13]	✗									
2030	[Sah13a]	✗									
2031	[APMCR13]	✗									
2032	[ZWT13]	✓	✗								Theoretical reference for study of CPSs' security threats & useful counter measures
2033	[ZLX+13]	✗									
2034	[JBJ+13]	✗									
2035	[KS13e]	✗									
2036	[ASS13a]	✓	✗								
2037	[SN13]	✗									
2038	[VLW+13a]	✗									
2039	[Pur13]	✗									
2040	[BFPE12b]	✗									
2041	[BMC12b]	✓	✗								Modelling CPS' security via Byzantine paradigm
2042	[JA12a]	✗									
2043	[TAIWW12]	✗									
2044	[PSSTP12]	✗									
2045	[Mes12a]	✗									
2046	[CCS+12a]	✓	✓	✓			✓				R2BAC: role-based access control model found on reputation.
2047	[GSFM12a]	✓	✗								CPSs' security experimentation environment
2048	[TdO12b]	✗									
2049	[MW12]	✗									
2050	[LT12b]	✓	✗	✗						✓	

Table 39: Studies **2051 - 2074** (in cronological order, from newest to oldest) from **ScienceDirect**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
2051	[CY12]	✗									
2052	[BLNS12]	✗									
2053	[LG12]	✗									
2054	[LKJ+12]	✓	✗								
2055	[CSN12]	✓	✗								
2056	[BYD12]	✓	✗								
2057	[KN12a]	✗									
2058	[vvV+12]	✗									
2059	[KACL12]	✗									
2060	[SKK11]	✗									
2061	[YF11]	✗	✗							✓	
2062	[RSYR11a]	✗	✗				✓				
2063	[GK11b]	✗									
2064	[KSL11]	✗									
2065	[Ahm11]	✗									
2066	[ATM10b]	✓	✗								Semantic model for information flow analysis
2067	[DDH+10a]	✗									
2068	[DDH+10b]	✗									
2069	[JP10]	✗									
2070	[HLH09]	✗									
2071	[SBBFW09]	✗									
2072	[DBS08]	✗									
2073	[DSM+08]	✗									
2074	[CDH+06]	✗									

Table 40: Studies **3001 - 3025** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3001	[How15b]	✓	✗							✗	
3002	[SAJ15b]	✓	✗							✗	
3003	[ZB15b]	✓	✓	✓							Duplicate of 0643
3004	[PDB15a]	✓	✓	✓							Duplicate of 0642
3005	[TSSJ15b]	✓	✓	✓							Duplicate of 2004
3006	[FPH+15b]	✓	✗								
3007	[LAP15b]	✓	✗								Duplicate of 0647
3008	[YLY+15b]	✗									Duplicate of 0648
3009	[LYC+15]	✗									
3010	[GPGV14]	✗									
3011	[KCLG14a]	✓	✗								Duplicate of 2007
3012	[HXCL14b]	✓	✗	✗							Duplicate of 0346
3013	[LCBP14b]	✓	✗								Duplicate of 0054
3014	[PKBT14b]	✓	✓	✓							Duplicate of 0312
3015	[SS14b]	✗									Duplicate of 5030
3016	[BSO+14]	✗									
3017	[MPS14b]	✓	✗								Duplicate of 0660
3018	[DWRR14]	✗									Duplicate of 1126
3019	[MHR14a]	✗									Duplicate of 0048
3020	[WKZBP14b]	✗									Duplicate of 0026
3021	[JVW+14]	✗									
3022	[ZC14b]	✓	✓	✓			✓				The same research line of 0167
3023	[WY14]	✓	✗								Formal method for exploring the confidentiality & information security in CPSs
3024	[VMM+14]	✗									
3025	[LLA14]	✓	✗								Hybrid trust management framework (HTMF)

Table 41: Studies **3026 - 3050** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3026	[Yav14b]	✗									Duplicate of 0095
3027	[PMN+14b]	✓	✗								Duplicate of 0235
3028	[LSS14b]	✗	✗				✓				Duplicate of 0471
3029	[LLES14b]	✓	✓	✓							Duplicate of 2010
3030	[WZZ+14b]	✗									Duplicate of 0165
3031	[LWW14b]	✗									Duplicate of 0379
3032	[FIM14b]	✗									Duplicate of 2013
3033	[MCS14b]	✓	✓	✓							Duplicate of 0241
3034	[CZ14b]	✓					✓				Duplicate of 0205
3035	[HPG14b]	✓	✓	✗							Duplicate of 0575
3036	[FF14b]	✗									Duplicate of 0469
3037	[ZWWS14]	✗									
3038	[FTD14b]	✓	✓	✓							Duplicate of 0506
3039	[LVG14b]	✓	✗								Duplicate of 2015
3040	[VM14h]	✓					✓				Duplicate of 0198
3041	[HaI14b]	✗									Duplicate of 2014
3042	[LCZ+14b]	✓	✓	✓							Duplicate of 0012
3043	[LCR14a]	✗									
3044	[MC14a]	✗	✗								Duplicate of 2016
3045	[WA14b]	✓	✗						✓		Duplicate of 4108
3046	[LCR14b]	✗									
3047	[MC14c]	✓	✗						✓		Duplicate of 1014
3048	[YYY+14b]	✓	✓	✓							Duplicate of 0408
3049	[ZM14c]	✓	✓	✓							Duplicate of 0415
3050	[CGSW14b]	✗									Duplicate of 0463

Table 42: Studies **3051 - 3075** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3051	[LHM+14a]	✗									Duplicate of 2020
3052	[KKW+14]	✗									Duplicate of 2019
3053	[SDB14b]	✓	✗				✓				Duplicate of 0579
3054	[KGHS14b]	✓	✗								Duplicate of 0210
3055	[KCA14b]	✓	✗								Duplicate of 4134
3056	[SAS14a]	✓	✗								Duplicate of 4136
3057	[SMS14a]	✓	✗							✓	Duplicate of 4116
3058	[LSLD14]	✗									Duplicate of 4130
3059	[WDL14c]	✓	✗								Duplicate of 0114
3060	[Sha14b]	✗									Duplicate of 0013
3061	[VTC+14a]	✓	✗								Duplicate of 4112
3062	[VM14f]	✓	✗	✗			✓				Duplicate of 0516
3063	[Jaz14b]	✗									Duplicate of 0179
3064	[VM14b]	✓	✗	✗			✓				Duplicate of 0275
3065	[GBS14b]	✗									Duplicate of 4099
3066	[HH14a]	✗									Duplicate of 2023
3067	[SKLV14b]	✗									Duplicate of 2022
3068	[ZM14a]	✓	✓	✓							Distributed resilient formation control against attacks in operator-vehicle adversarial networks
3069	[DG14]	✗									Duplicate of 0104
3070	[SSMS14]	✗									
3071	[GGM14]	✓	✗				✓				Vulnerabilities in SCADA cntrl and mngmt protocol design: 3 proof-of-concept DoS attacks
3072	[Kro14]	✓	✗								
3073	[GMLB14]	✗	✗								
3074	[CWG+14]	✗	✗								
3075	[LGL+14]	✓	✗								

Table 43: Studies **3076 - 3100** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3076	[SHZ14b]	✗	✗								Duplicate of 0490
3077	[CMK+14]	✗									
3078	[VMG14]	✗					✓				Smart infrastructures: Criticality Aware Access Control (CAAC)
3079	[ZDD+14b]	✓	✗								Duplicate of 0551
3080	[FRL+13]	✗									
3081	[BK13a]	✗									
3082	[BBB+13a]	✓	✗				✓				Duplicate of 0193
3083	[ZH13b]	✓	✗				✓				Duplicate of 2028
3084	[PDB13a]	✓	✓	✓							Duplicate of 0117
3085	[SLX+13]	✗									
3086	[Sah13b]	✗									Duplicate of 2030
3087	[TWAS+13a]	✗									Duplicate of 4068
3088	[PHH+13]	✓	✓	✓			✓				CPS availability & reliability enhancement via multiple cyber parts in the computational unit
3089	[GRMC13b]	✓	✓	✗			✓				Duplicate of 0366
3090	[MC13b]	✓	✗				✓				Duplicate of 0125
3091	[ALSB13b]	✓	✗								Duplicate of 0183
3092	[APMR13]	✗									Duplicate of 2031
3093	[KB13b]	✗									
3094	[SP13b]	✗									Duplicate of 0121
3095	[MMR+13]	✗									
3096	[KT13b]	✓	✓	✓							Duplicate of 0418
3097	[HASG13b]	✓	✗								Duplicate of 0190
3098	[GWA13b]	✗									Duplicate of 0112
3099	[WCX+13]	✗									
3100	[BBT+13]	✗									

Table 44: Studies **3101 - 3125** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3101	[UBC13]	✗									Duplicate of 0511
3102	[SME+13b]	✓	✗								Duplicate of 0377
3103	[RAB13b]	✗									Duplicate of 0051
3104	[MC13d]	✓	✗								Duplicate of 0259
3105	[JPS+13]	✗									
3106	[KS13f]	✗									Duplicate of 2035
3107	[MC13e]	✓	✓	✓			✓				Duplicate of 4082
3108	[ZC13d]	✓	✗								Duplicate of 0373
3109	[PVS+13]	✗									
3110	[ZY13b]	✗									Duplicate of 0476
3111	[LID+13b]	✗									Duplicate of 0062
3112	[GPD+13b]	✓	✗								Duplicate of 0583
3113	[XLG+13]	✓	✗								Duplicate of 0521
3114	[PLL+13b]	✓	✗	✗							Duplicate of 0195
3115	[ZZC+13b]	✗									Duplicate of 0553
3116	[VBY13a]	✓	✗				✓				Duplicate of 4094
3117	[BVvE13]	✗									
3118	[KC13a]	✓	✗								Duplicate of 4089
3119	[CHYO13b]	✗					✓				Duplicate of 0214
3120	[AvL+13]	✗					✓				Duplicate of 0419
3121	[ZCMY13b]	✗									Duplicate of 0445
3122	[HZR+13a]	✓	✗				✓				Duplicate of 0296
3123	[Bur13b]	✓	✗								Duplicate of 0084
3124	[LK13b]	✗								✓	Duplicate of 0615
3125	[LWZ+13a]	✗									Duplicate of 0079

Table 45: Studies **3126 - 3150** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3126	[OTI13b]	✗									Duplicate of 0450
3127	[ABEP13b]	✗									Duplicate of 0236
3128	[JMSL+13]	✗									Duplicate of 0194
3129	[AMC13b]	✗									Duplicate of 0353
3130	[Sch13b]	✗									
3131	[MSS13]	✗									
3132	[CRM13c]	✗									Duplicate of 0309
3133	[Sto13b]	✗									Duplicate of 0352
3134	[WZN13b]	✗									Duplicate of 0581
3135	[DCS+13b]	✗									Duplicate of 0019
3136	[KSM13b]	✓	✗								Duplicate of 0636
3137	[LSM+13b]	✗									Duplicate of 0462
3138	[SKY+13b]	✗					✓				Duplicate of 0356
3139	[PS13b]	✗								✓	Duplicate of 0514
3140	[Axe13b]	✓	✗								Duplicate of 0361
3141	[KM13b]	✗									Duplicate of 0177
3142	[LCK+13b]	✓	✓	✓							Duplicate of 0448
3143	[HM13b]	✓	✗				✓				Duplicate of 0049
3144	[KS13b]	✓	✓	✓							Duplicate of 0382
3145	[KSJ13b]	✗									Duplicate of 0229
3146	[HHC+13b]	✗					✓				Duplicate of 0599
3147	[SM13b]	✓	✗	✗							Duplicate of 0339
3148	[VSZ13b]	✗									Duplicate of 0502
3149	[ARV+13b]	✓	✗								Duplicate of 0076
3150	[BBC+13]	✗									Duplicate of 0410

Table 46: Studies **3151 - 3175** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3151	[App13b]	✓	✗								Duplicate of 0582
3152	[MHWS13b]	✗									Duplicate of 0135
3153	[SR13b]	✗									Duplicate of 0116
3154	[GRP13b]	✗									Duplicate of 0427
3155	[KLH13b]	✓	✓	✓							Duplicate of 0519
3156	[HCH+13b]	✗									Duplicate of 0600
3157	[GK13b]	✗									Duplicate of 0153
3158	[SZ13b]	✓	✗				✓				Duplicate of 0115
3159	[UP13]	✗									
3160	[ZLY13b]	✗									Duplicate of 0103
3161	[VLW+13b]	✗									Duplicate of 2038
3162	[KF13b]	✗									Duplicate of 0313
3163	[PRBL13b]	✗									Duplicate of 0611
3164	[ZC13b]	✓	✗				✓				Duplicate of 0167
3165	[HU13]	✗									
3166	[KRG13b]	✗									Duplicate of 0558
3167	[BBLD13]	✗	✗								
3168	[MCP+13b]	✓	✗								Duplicate of 0209
3169	[YBNS13b]	✓	✗								Duplicate of 0544
3170	[SNUQ13]	✗									
3171	[TSL13]	✓	✗	✓							Detection of replay attacks on smart grid
3172	[ASH13b]	✓	✗				✓				Duplicate of 0327
3173	[ASS13b]	✓	✗								Duplicate of 2036
3174	[KN13]	✗									
3175	[SSS+13a]	✗									Duplicate of 0601

Table 47: Studies **3176 - 3200** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3176	[KSZ13b]	✓	✗				✓				Duplicate of 0561
3177	[DMM+13b]	✗									Duplicate of 0372
3178	[JEG+13b]	✗					✓				Duplicate of 0613
3179	[LESA13b]	✗									Duplicate of 0449
3180	[ZRB+12b]	✓	✓	✓							Duplicate of 0500
3181	[BMC12a]	✓	✗								Duplicate of 2041
3182	[BFPE12a]	✗									Duplicate of 2040
3183	[ZCY+12]	✗									
3184	[GSH12]	✓	✗								Impact of network and installation-specific parameters on cyber attacks against a power plant
3185	[Mes12b]	✗									Duplicate of 2045
3186	[CCJ12]	✓	✗				✓				Access control for emergencies of mission-critical CPSs: no adversaries or attacks considered
3187	[ZWZP12]	✗									
3188	[CCS+12b]	✓	✓	✓			✓				Duplicate of 2046
3189	[GSFM12b]	✓	✗								Duplicate of 2047
3190	[LVS+12b]	✗									Duplicate of 0297
3191	[YQZC12a]	✗					✓				Duplicate of 0422
3192	[CTX+12b]	✗									Duplicate of 0289
3193	[PL12b]	✓	✗								Duplicate of 0224
3194	[LPK+12]	✗									
3195	[MC12a]	✗									
3196	[VSDS12b]	✓	✗				✓				Duplicate of 0391
3197	[LYHL12]	✗					✓				
3198	[KK12c]	✗									Duplicate of 0208
3199	[NvA+12]	✗									
3200	[ARM+12]	✗									

Table 48: Studies **3201 - 3225** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3201	[TdO12a]	✗									Duplicate of 2048
3202	[HLY+12]	✗									
3203	[TWD12]	✗									
3204	[CDB+12]	✗									
3205	[ZJ12b]	✗									
3206	[CC12]	✓	✗								
3207	[PDB12a]	✓	✓	✓							Duplicate of 0192
3208	[EVAL12]	✗	✗								Duplicate of 0082
3209	[WK12b]	✗									Duplicate of 0025
3210	[PZLZ12]	✗									Typo in Web Of Science abstract
3211	[GGH12b]	✓	✗								Duplicate of 0002
3212	[TAIG12]	✓	✗				✓				Duplicate of 0494
3213	[KKT12b]	✓	✗				✓				Duplicate of 0481
3214	[LKZBP12d]	✓	✓	✓							Duplicate of 0170
3215	[FBS12b]	✗		✗							Duplicate of 0171
3216	[WKZBP12b]	✓	✓	✓							Duplicate of 0446
3217	[ALLY12b]	✓									Duplicate of 0014
3218	[VYR12b]	✓	✗								Duplicate of 0545
3219	[AE12b]	✗					✓				Duplicate of 0128
3220	[FG12b]	✗									Duplicate of 0021
3221	[KN12b]	✗									Duplicate of 2057
3222	[CN12b]	✗									Duplicate of 0384
3223	[CTAA12a]	✗									Duplicate of 4050
3224	[CM12a]	✓	✗							✓	Duplicate of 0515
3225	[SL12c]	✗									Duplicate of 0318

Table 49: Studies **3226 - 3250** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3226	[MKKP12b]	✗					✓				Duplicate of 0281
3227	[XS12a]	✗									Duplicate of 4054
3228	[WKZ12b]	✗									Duplicate of 0417
3229	[Ami12b]	✓	✗	✗						✓	Duplicate of 0546
3230	[CKYW12b]	✗	✗								Duplicate of 0539
3231	[HLV12b]	✗									Duplicate of 0548
3232	[KL12b]	✗									Duplicate of 0041
3233	[LMK+12b]	✓	✗								Duplicate of 0068
3234	[McM12b]	✓	✗								Duplicate of 0443
3235	[SS12b]	✗									Duplicate of 0058
3236	[WK12d]	✓	✗								Duplicate of 0616
3237	[GGW12a]	✗									Duplicate of 0267
3238	[MC12c]	✓	✓	✓			✓				Duplicate of 0123
3239	[KSS12b]	✗									Duplicate of 0258
3240	[PKK12b]	✓	✗								Duplicate of 0094
3241	[LWW12b]	✗									Duplicate of 0311
3242	[ZC12b]	✓	✗								Duplicate of 0139
3243	[ZCN12b]	✓	✗				✓				Duplicate of 0504
3244	[YLM+12b]	✗									Duplicate of 0052
3245	[DRWR12b]	✗									Duplicate of 0188
3246	[LGML12]	✗									
3247	[LKZBP12b]	✓	✓	✓							Duplicate of 1032
3248	[ZB12a]	✓	✓	✗			✓				Duplicate of 1003
3249	[MS12c]	✓	✓	✓							Duplicate of 1061
3250	[TPSJ12b]	✓	✓	✓							Duplicate of 1027

Table 50: Studies **3251 - 3275** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3251	[HA12b]	✓	✗								Duplicate of 1069
3252	[YXL+12b]	✓	✗								Duplicate of 1059
3253	[KMM+12]	✗									
3254	[LT12a]	✓	✗	✗						✓	Duplicate of 2050
3255	[LSC+12b]	✗									Duplicate of 0140
3256	[MKB+12a]	✓	✗								Duplicate of 0206
3257	[SHG12c]	✓	✗								Duplicate of 0207
3258	[BVMG12b]	✗									Duplicate of 0276
3259	[CBP12b]	✓	✓	✓							Duplicate of 0055
3260	[RLQ11b]	✗									Duplicate of 0302
3261	[CSB11]	✓	✗				✓				Duplicate of 0435
3262	[WYSL11]	✗									
3263	[LLL+11b]	✗									Duplicate of 0540
3264	[SPS+11b]	✓	✗	✗							Duplicate of 0295
3265	[CCS+11]	✓	✗				✓				
3266	[GK11a]	✗									Duplicate of 2063
3267	[AB11b]	✗									Duplicate of 1021
3268	[WAL+11]	✓	✗				✗				
3269	[BST11]	✗									
3270	[TKK+11]	✗									
3271	[GFSM11]	✓	✗								Duplicate of 4033
3272	[PDB11a]	✓	✓	✓							Duplicate of 0184
3273	[ZB11b]	✓	✓	✓							Duplicate of 0488
3274	[GLB11b]	✓	✓	✓			✓				Duplicate of 0420
3275	[ASS11b]	✓	✗								Duplicate of 0413

Table 51: Studies **3276 - 3300** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3276	[BGA11]	✓	✓	✓							
3277	[ZM11a]	✓	✓	✓							Extended by 3068
3278	[AB11c]	✗									Duplicate of 0104
3279	[MSS11]	✗									Typo in Web Of Science abstract
3280	[AN11]	✓	✗								Duplicate of 0191
3281	[MC11d]	✓	✗				✓				Duplicate of 0564
3282	[Kar11b]	✓	✗								Duplicate of 0562
3283	[LLD11b]	✓	✗								Duplicate of 0149
3284	[GRM11b]	✓	✓	✓			✓				Duplicate of 0158
3285	[LLDM11b]	✗									Duplicate of 0350
3286	[ZM11c]	✓	✓	✓							Duplicate of 0555
3287	[HLC11]	✗									Typo in Web Of Science abstract
3288	[CHLT11]	✗									
3289	[GS11c]	✗	✗								Duplicate of 0623
3290	[CSC11b]	✗									Duplicate of 0015
3291	[LBS11b]	✗							✓		Duplicate of 0148
3292	[ZC11b]	✓	✗								Duplicate of 0083
3293	[MC11b]	✓	✗								Duplicate of 0033
3294	[XY11]	✗									
3295	[PL11a]	✗									Duplicate of 4045
3296	[GS11d]	✓	✗								Duplicate of 0541
3297	[HB11]	✗									Protocols to increase the dependability of wireless sensor networks
3298	[KKP11b]	✗									Duplicate of 0567
3299	[ATM10a]	✓	✗								Duplicate of 2066
3300	[DNM+10]	✗									

Table 52: Studies **3301 - 3325** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3301	[ZSP+10]	✗									
3302	[LYCY10a]	✗									Duplicate of 0284
3303	[AFH+10b]	✗									Duplicate of 0307
3304	[TSJ10a]	✓	✓	✓							Duplicate of 0395
3305	[SP10b]	✓	✗				✓				Duplicate of 0631
3306	[CTX+10b]	✗									Duplicate of 0289
3307	[SLY+10]	✗									Duplicate of 4031
3308	[AM10b]	✓	✗				✓				Duplicate of 4027 and of 1057
3309	[ASS10a]	✓	✗								Duplicate of 4032 and of 1110
3310	[DDH+10c]	✗									Duplicate of 2067
3311	[DDH+10d]	✗									Duplicate of 2068
3312	[DGK10b]	✗									Duplicate of 0075
3313	[Ami10b]	✓	✗								Duplicate of 0264
3314	[Bos10b]	✗									Duplicate of 0381
3315	[vSB10]	✗									
3316	[SG10]	✗									
3317	[BMGD10]	✗									Typo in Web Of Science abstract
3318	[Gup10a]	✗									Duplicate of 4024
3319	[KV10a]	✓	✗								Duplicate of 4028
3320	[KS10a]	✗									Duplicate of 4025
3321	[MSS10]	✗									Typo in Web Of Science abstract
3322	[SLC+09b]	✗									
3323	[Liu09]	✗									
3324	[Kam09]	✗									
3325	[TCES09]	✗									

Table 53: Studies **3326 - 3350** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3326	[SV09]	✗									
3327	[TL09]	✗									
3328	[QMS+09]	✗									
3329	[KKS09b]	✓	✓	✓			✓				Duplicate of 0056
3330	[AM09b]	✓	✗								Duplicate of 0371
3331	[YCLS09b]	✗									Duplicate of 0223
3332	[McM09b]	✓	✗							✓	Duplicate of 0156
3333	[SLD+09b]	✗									Duplicate of 0501
3334	[LL09b]	✗									Duplicate of 0393
3335	[GM09a]	✓	✗								Duplicate of 4019
3336	[HLNN09b]	✗									Duplicate of 0007
3337	[TR09]	✗									
3338	[PRBM09]	✗									
3339	[SSN+09a]	✗									Duplicate of 4014
3340	[CMC09]	✗									Typo in Web Of Science abstract
3341	[DMK+09b]	✗									Duplicate of 1013
3342	[XLZH08]	✗									
3343	[Kam08]	✗									
3344	[SPB08b]	✓	✗						✓		Duplicate of 0508
3345	[TLM08b]	✓	✗				✓				Duplicate of 0633
3346	[DHK+08b]	✗									
3347	[KWCL08]	✗									
3348	[TLG08b]	✓	✗	✗							Duplicate of 0110
3349	[MFG+08b]	✗									Duplicate of 0363
3350	[BKX+08]	✗									Typo in Web Of Science abstract

Table 54: Studies **3351 - 3378** (in cronological order, from newest to oldest) from **Web of Science**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
3351	[Ver08b]	✗									Duplicate of 0425
3352	[And08b]	✗									Duplicate of 0238
3353	[TM08a]	✓	✗								Duplicate of 4012
3354	[ZS08b]	✗									Duplicate of 0211
3355	[CGM08b]	✗									
3356	[GC08b]	✓	✗								Duplicate of 0429
3357	[BR08a]	✓	✓	✓			✓				Duplicate of 4009
3358	[SK07]	✗									
3359	[Uli07c]	✗									Duplicate of 0283
3360	[GACW07a]	✗									Duplicate of 0143
3361	[DMPO07b]	✗									Duplicate of 0159
3362	[DMPO07c]	✗									Duplicate of 0227
3363	[GACW07c]	✓	✗								Duplicate of 0430
3364	[Uli07d]	✗									Duplicate of 0226
3365	[ZIT07b]	✗									Duplicate of 0111
3366	[BTK+07b]	✗									Duplicate of 0580
3367	[SP07b]	✗									Duplicate of 1048
3368	[JM07]	✗									Typo in Web Of Science abstract
3369	[KC07]	✗									
3370	[SP07c]	✗									Duplicate of 1048
3371	[DMPO07a]	✗									Duplicate of 0151
3372	[DMPO07d]	✗									
3373	[GCAW07b]	✗									Duplicate of 0332
3374	[WJ07c]	✗									Duplicate of 4004
3375	[ZIPT06b]	✗									Duplicate of 0322
3376	[FD06]	✗									
3377	[Moz06]	✗									
3378	[MCM06]	✗									

Table 55: Studies **4001 - 4023** (in alphabetical order by year, 2006 - 2009) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4001	[SPG06]	✗									
4002	[Bee06]	✗									
4003	[SJM+06]	✗									
4004	[WJ07d]	✗									
4005	[Tal07]	✗									
4006	[WCDS07]	✗									
4007	[Sas07]	✗								✓	
4008	[SS07]	✗									
4009	[BR08b]	✓	✓	✓			✓				Anomaly detection model based on shuffle operations & product machines
4010	[Kes08]	✗									
4011	[RÓ8]	✗									
4012	[TM08b]	✓	✗								
4013	[VDSB+09]	✗									
4014	[SSN+09b]	✗									
4015	[AGS+09]	✗									
4016	[Bay09]	✗									
4017	[HS09]	✗									
4018	[KNR+09]	✗									
4019	[GM09b]	✓	✗								Nondeducibility-based observability analysis
4020	[EB09]	✗									
4021	[CCS09]	✗									
4022	[ACS09]	✓	✓	✓							
4023	[Buc09]	✗								✓	

Table 56: Studies **4024 - 4045** (in alphabetical order by year, 2010 - 2011) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4024	[Gup10b]	✗									
4025	[KS10b]	✗									
4026	[TMKG10]	✗									
4027	[AM10c]	✓	✗				✓				Duplicate of 1057
4028	[KV10b]	✓	✗								
4029	[BCH+10]	✗									
4030	[ZSL+10]	✗									
4031	[SYLZ10]	✗									
4032	[ASS10c]	✓	✗								Duplicate of 1110
4033	[GNFSM11]	✓	✗								
4034	[Mey11]	✗									
4035	[MLH+11]	✗									
4036	[YRS11]	✗									
4037	[PBNM+11]	✗									
4038	[SIN+11]	✗									
4039	[BFPC11]	✗									
4040	[EBR11]	✗									
4041	[DOGM11]	✗									
4042	[XFL11a]	✗									
4043	[RSSP11]	✗									
4044	[XFL11b]	✗									
4045	[PL11b]	✗									

Table 57: Studies **4046 - 4064** (of 2012, in alphabetical order) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4046	[Hof12]	✗									
4047	[OSP+12]	✗									
4048	[OHG+12a]	✗									
4049	[OHG+12b]	✗									
4050	[CTAA12b]	✗									
4051	[SGHDP12]	✓	✗								
4052	[GS12b]	✓	✗								Agent based relay supervision scheme: modelling, validation & verification with UPPAAL
4053	[SS12c]	✗								✓	
4054	[XS12b]	✗									A modelling & simulation method based on Multi-Agent System
4055	[CT12]	✗									
4056	[MS12a]	✗									
4057	[HWP+12]	✗									
4058	[RCH+12]	✗									
4059	[Vig12]	✓	✗				✓				
4060	[MH12]	✗									
4061	[HVG+12]	✗									
4062	[EVME+12]	✗									
4063	[BCH+12]	✗									
4064	[Gol12]	✗	✗								

Table 58: Studies **4065 - 4089** (of 2013, in alphabetical order) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4065	[BCMO13]	✗									Wireless sensor comm.s: secret key extraction alg. that leverages signal strength fluctuation
4066	[PATS13]	✗							✓		Overview, analysis of attacks, privacy challenges and mitigation techniques for preserving the privacy of users and their interconnected devices
4067	[GBL+13]	✓	✓	✓			✓				Resilient substation automation via TPMs and access control: no physical consideration
4068	[TWAS+13b]	✗									
4069	[MKH13]	✗									
4070	[VNN13]	✓	✗				✓				
4071	[BKW13]	✗									
4072	[OB+13]	✗									
4073	[WA13]	✓	✗						✓		
4074	[FSMA13]	✓	✗								
4075	[RNT13]	✓	✓	✗			✓				
4076	[Kur13]	✗									
4077	[MGS13]	✗									
4078	[KKCK13]	✗									
4079	[CG13]	✗									
4080	[Cer13]	✗									
4081	[LCBP13]	✓	✓	✓							
4082	[MC13f]	✓	✓	✓			✓				
4083	[PYAW13]	✗									
4084	[RM13]	✓	✓	✓			✓				Physical measurements w/o any dynamics
4085	[TSSJ13]	✓	✓	✓							
4086	[OJG+13a]	✗									
4087	[OJG+13b]	✗									
4088	[KTL+13]	✗		✗			✓				
4089	[KC13b]	✓	✗								Impact of integrity and DoS attacks on sensors

Table 59: Studies **4090 - 4113** (in alphabetical order by year, 2013 - 2014) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4090	[ZBB13]	✓	✓	✓							
4091	[NN13]	✓	✗								Type system for checking the extent to which safety and security goals have been met
4092	[SDSW13]	✗									
4093	[Gol13]	✓	✗							✓	
4094	[VBY13b]	✓	✗				✓				Probabilistic nature of the environment and of the attack detection process in security games
4095	[Wal13]	✗									
4096	[BK13b]	✗									
4097	[ETW13]	✗									
4098	[ZGC14]	✗									
4099	[GBS14a]	✗									
4100	[Shi14]	✓	✗							✓	
4101	[KL14b]	✓	✗								
4102	[Ful14]	✗									
4103	[Wal14a]	✗									
4104	[AE14a]	✓	✗								
4105	[VST14]	✗									
4106	[BHCR14]	✗									
4107	[DJGS14]	✗									
4108	[WA14c]	✓	✗						✓		Survey of the state of the art of CPS security, identification of the issues surrounding secure control, usefulness of context information
4109	[VV14]	✗								✓	
4110	[Cam14]	✓	✗								Controllability & observability in the management of cybersecurity risk and resilience of CPSs
4111	[KP14]	✓	✗								
4112	[VTC+14b]	✓	✗								
4113	[Fel14a]	✗									

Table 60: Studies **4114 - 4138** (of 2014, in alphabetical order, continued) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4114	[dFPCdS14]	✗									IDS for shared WSN
4115	[LT14]	✗									
4116	[SMS14b]	✓	✗							✓	
4117	[JTC+14]	✗									
4118	[YLWZ14]	✗									
4119	[SS14a]	✗								✓	
4120	[AWH+14]	✗									
4121	[Sau14a]	✗									
4122	[RHR+14]	✗									
4123	[GA15]	✓	✓	✓			✓				Spread-spectrum principle for the confidentiality of feedback signals in NCSs
4124	[GQS14a]	✗									
4125	[Zha14c]	✗									
4126	[OJG+14]	✗									
4127	[ZLM+14]	✓	✗								
4128	[BFvG+14]	✗									
4129	[MB14]	✗									
4130	[LSL14a]	✗									
4131	[OHG+14a]	✗									
4132	[OHG+14b]	✗									
4133	[Bra14]	✓	✗								
4134	[KCA14a]	✓	✗								See also 2007, 1035
4135	[Ber14]	✗									
4136	[SAS14b]	✓	✗								
4137	[Fel14b]	✗									
4138	[KBD+14]	✗									

Table 61: Studies **4141 - 4155** (of 2015, in alphabetical order) from **SpringerLink**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
4141	[ADW+15]	✗									AADL enriched with with Hybrid Communicating Sequential Processes (HCSP) & Hybrid Hoare Logic (HHL) theorem prover
4142	[KT15]	✓	✗						✓		Survey of recent developments on cyber security issues in smart grid operations
4143	[SM15a]	✓	✗								Synch safety and security life cycles based on ISA84 and ISA99 standards with Failure-Attack-CounTermeasure (FACT) Graph
4144	[WK15]	✓	✓	✓							CPS security: state of the art, flocking-based analysis framework, protocol to identify and mitigate cyber attacks
4145	[AAJ15]	✓	✗								
4146	[VEM+15]	✓	✓	✓							Impact of a cyber-attack on the AGC: existence of attack pattern & synthesis of attack signal
4147	[HCLG15]	✓	✗								
4148	[NL15]	✗									
4149	[MMHM15]	✗									
4150	[FBB+15]	✗									
4151	[NCRT15]	✗									
4152	[ZBMM15]	✗									Intrusion detection in RT/embedded systems domain
4153	[WJ15]	✗									
4154	[ALL15]	✗									
4155	[VBLS15]	✗									

Table 62: Studies **5001 - 5025** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5001	[KDTK+15]	✗									
5002	[Pen15]	✗									
5003	[ZJZ+15]	✗									
5004	[AGS+15]	✗									
5005	[Com15]	✗									
5006	[MZW15]	✗									
5007	[XS15]	✗									
5008	[AFAH15]	✗									
5009	[MKD+15]	✗									
5010	[Zhu15b]	✗									
5011	[Zhu15a]	✗									
5012	[WHGM15]	✗									
5013	[PDG+15]	✗									
5014	[LZAS15]	✗									
5015	[MAIA15]	✗									
5016	[SOD+15]	✗									
5017	[LWS+15]	✗									
5018	[CZCJ15]	✗									
5019	[PM15]	✗									
5020	[MGH15]	✗									
5021	[KBMH15]	✗									
5022	[CWY+14a]	✗									
5023	[CWY+14b]	✗									
5024	[CEMn+14]	✗									
5025	[TZC+14]	✗									

Table 63: Studies **5026 - 5050** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5026	[RRG14]	✗									
5027	[DMK+14]	✗									
5028	[Hoo14]	✗									
5029	[ZDN+14]	✗									
5030	[SS14c]	✗									
5031	[KK14]	✗									
5032	[MSJB14]	✗									
5033	[CJ14]	✗									
5034	[ZLC+14]	✗									
5035	[ZZL14]	✗									
5036	[WHTL14]	✗									
5037	[ASN+14]	✗									
5038	[API14]	✗									
5039	[GKW14]	✗									
5040	[MVGM+14]	✗									
5041	[ABB14]	✗									
5042	[Wal14b]	✗									From “Encyclopedia of quantitative risk analysis and assessment”
5043	[OWLJ14]	✗									
5044	[SCO14]	✗									
5045	[PWL+14]	✗									
5046	[DZ14]	✗									
5047	[SLU+14]	✗									
5048	[MSM14]	✗									
5049	[Sau14b]	✗									
5050	[ET14]	✗									

Table 64: Studies **5051 - 5075** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5051	[LBW14]	✗									
5052	[TSdPPC14]	✗									
5053	[SMJ14]	✗									
5054	[Pel14]	✗									
5055	[HAH+14]	✗									
5056	[KSHK14]	✗									
5057	[HWM14]	✗									From “Power system monitoring and control”
5058	[HW14]	✗									
5059	[KL14a]	✓	✓	✗			✓				Authentication framework for medical CPS
5060	[MnAS14]	✗									
5061	[ZWDC+14]	✗									
5062	[AYL+14]	✗									
5063	[KLHPC14]	✗									
5064	[PM14]	✗									
5065	[OTGW+14]	✗									
5066	[LGR+14]	✗									
5067	[DRD+14a]	✗									
5068	[DRD+14b]	✗									
5069	[YZL+14a]	✗									
5070	[YZL+14b]	✗									
5071	[FHM14]	✗									
5072	[XBW+14]	✗									
5073	[MHH+14]	✗									
5074	[KHLK14]	✗									
5075	[Li14]	✗									

Table 65: Studies **5076 - 5099** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5076	[KX14]	✗									
5077	[PBKT14]	✗									Computer network intrusion detection
5078	[VB14]	✗									
5079	[LZQ+14]	✗									Distributed network paralyzing (DNP) attacking flows strategizing technology
5080	[SZL14]	✗									
5081	[Sur14]	✗									
5082	[LG14]	✗									
5083	[BMMK14]	✓	✗								Security requirements & vulnerabilities of AMI, plus a review of the existing threat prevention and detection solutions
5084	[SLSZ14]	✗	✗								
5085	[SKLG+14]	✗									
5086	[AIK14]	✗									
5087	[GGW14]	✗									
5088	[ZCL+14]	✗									
5089	[Moe13b]	✗									
5090	[Moe13a]	✗									
5091	[HP13b]	✗									Info consistency checking using system dynamics against corruption of operator displays
5092	[SLGW13]	✓	✗								Methods to *model* cyber intrusions & assess the CPSs' security
5093	[ESZ13]	✗									System management Mode based rootkit
5094	[KKY+13]	✗									
5095	[PA13]	✗									
5096	[RMJM13]	✗									
5097	[n/a13]	✗									
5098	[WBH13]	✗									
5099	[Jac13b]	✗									

Table 66: Studies **5100 - 5125** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5100	[Jac13a]	✗									
5101	[KKSH13]	✗									
5102	[SDR13]	✗									
5103	[SANSA13]	✗									
5104	[JZY13]	✗									
5105	[KRJG13]	✗									
5106	[HNK13]	✗									
5107	[LLL13]	✗									
5108	[MRE13]	✗									
5109	[Kum13]	✗									
5110	[GS13]	✗									
5111	[Hid13]	✗									
5112	[CJ13]	✗									
5113	[WMM13]	✗									
5114	[BMB+13]	✗									
5115	[DGI13]	✗									
5116	[YCY13]	✓	✓	✓							
5117	[MPB+13]	✗									
5118	[TS13]	✗									
5119	[CCZ13]	✗									High-interactive honeypot system, Jingu
5120	[KGP13]	✗									
5121	[GVKA13]	✗									
5122	[DP13]	✗									
5123	[FVB+96]	✗									
5124	[YLY+13]	✗									
5125	[WGZ+13]	✗									

Table 67: Studies **5126 - 5150** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5126	[YWT+13]	✗									
5127	[Ste13]	✗									
5128	[NR13]	✗									
5129	[WCW13]	✗									
5130	[Rhe13a]	✗									
5131	[Rhe13b]	✗									
5132	[Ada01]	✗									
5133	[AEvIBK13]	✗									
5134	[LKYG13]	✗									
5135	[US13]	✗									
5136	[BMLP13b]	✗									
5137	[BMLP13a]	✗									
5138	[CCM+13]	✗									
5139	[TCL+13]	✗									
5140	[WAS+13]	✗									
5141	[RL13]	✗									
5142	[TM13]	✗									
5143	[WP13]	✗									
5144	[DPDF13]	✗									
5145	[KPO13]	✗									
5146	[Pet13]	✗									
5147	[TQB13]	✗									
5148	[ZCC13]	✗									
5149	[HN12]	✗									
5150	[DB13]	✗									

Table 68: Studies **5151 - 5175** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5151	[DKF+96]	✗									
5152	[MCP12]	✗									
5153	[Don12]	✗									
5154	[NMPB+12]	✗									
5155	[WTA12]	✗									
5156	[IG12]	✗									
5157	[FHMN12c]	✗									
5158	[FHMN12d]	✗									
5159	[FHMN12b]	✗									
5160	[FHMN12h]	✗									
5161	[FHMN12g]	✗									
5162	[FHMN12f]	✗									
5163	[FHMN12i]	✗									
5164	[FHMN12a]	✗									
5165	[FHMN12e]	✗									
5166	[CWL12]	✗									
5167	[WL13a]	✗									
5168	[WL13c]	✗									
5169	[WL13b]	✗									
5170	[DZ12d]	✗									
5171	[QHLW12]	✗									
5172	[DZ12b]	✗									
5173	[DZ12c]	✗									
5174	[DZ12a]	✗									
5175	[LRDF12]	✗									

Table 69: Studies **5176 - 5200** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5176	[CCM12]	✗									
5177	[WLL+12]	✗									
5178	[IHL12]	✗									
5179	[VR12]	✗									
5180	[Vol12]	✗									
5181	[Elm12]	✗									
5182	[VHQW01]	✗									
5183	[KLK+12]	✗									
5184	[YCL+12]	✗									
5185	[Pom12]	✗									
5186	[PGM+12]	✗									
5187	[NMPB+12]	✗									
5188	[YLH+12]	✗									
5189	[FAO12]	✗									
5190	[SN11]	✗									
5191	[YLR12]	✓	✗								
5192	[Xu12]	✗									
5193	[TRM12]	✗	✗								
5194	[CHC12]	✗									
5195	[MZZ13]	✗									
5196	[ZZL+12]	✗									
5197	[Est12]	✗									
5198	[MP12]	✗									
5199	[CLK+12]	✗									
5200	[MQW+12]	✗									

Table 70: Studies **5201 - 5225** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5201	[RL12]	✗									
5202	[Cox12]	✗									
5203	[Par12]	✗									
5204	[n/a12]	✗									
5205	[TS12]	✗									
5206	[COO11]	✗									
5207	[DMK$^+$12]	✗									
5208	[BM12]	✗									
5209	[SCR12]	✗									
5210	[Won11]	✗									
5211	[KK12a]	✗									
5212	[PK11]	✗									
5213	[Mil11]	✗									
5214	[n/a11b]	✗									
5215	[n/a11a]	✗									
5216	[FLP$^+$11]	✗									
5217	[THA11]	✗									
5218	[DBM11]	✗									
5219	[Lud11]	✗									
5220	[LB11]	✗									
5221	[ALZR11]	✓	✗								
5222	[ZMZD11]	✗									
5223	[LDC$^+$11]	✗									
5224	[vdV11]	✗									
5225	[IvDBM11]	✗									

Table 71: Studies **5226 - 5250** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5226	[FB11]	✗									
5227	[Jac11b]	✗									
5228	[Jac11c]	✗									
5229	[Jac11g]	✗									
5230	[Jac11h]	✗									
5231	[Jac11e]	✗									
5232	[GB11]	✗									
5233	[Jac11d]	✗									
5234	[Jac11a]	✗									
5235	[Jac11f]	✗									
5236	[GO11]	✗									
5237	[HMJ11]	✗									
5238	[TAR+11]	✗									
5239	[MB11]	✗									
5240	[DRO+11]	✗									
5241	[SRZ11]	✗									
5242	[CSFA+11]	✗									
5243	[CLGT11]	✗									
5244	[HPB+11]	✗									
5245	[Gli11]	✗									
5246	[Col11]	✗									
5247	[Vol11]	✗									
5248	[MPC11]	✗									
5249	[SXZ11]	✗									
5250	[NZT+11]	✗									

Table 72: Studies **5251 - 5275** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5251	[Gra10a]	✗									
5252	[Gra10b]	✗									
5253	[SLW+11]	✗									
5254	[MMM11]	✗									
5255	[BRS+11]	✗									
5256	[Sau11b]	✗									
5257	[Sau11a]	✗									
5258	[Mar10b]	✗									
5259	[Mar10a]	✗									
5260	[dAP10]	✗									
5261	[KMK+10]	✗									
5262	[Far10]	✗									
5263	[MKVD10]	✗									
5264	[FRH+10]	✗									
5265	[SSN+10]	✗									
5266	[DSD+10]	✗									
5267	[Ste12]	✗									
5268	[Pau10a]	✗									
5269	[Pau10b]	✗									
5270	[MA10]	✗									
5271	[RMMZ10]	✗									
5272	[HOY10]	✗									
5273	[SMK+10]	✗									
5274	[FHMN10c]	✗									
5275	[FHMN10e]	✗									

Table 73: Studies **5276 - 5300** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5276	[FHMN10d]	✗									
5277	[FHMN10b]	✗									
5278	[FHMN10g]	✗									
5279	[FHMN10h]	✗									
5280	[FHMN10a]	✗									
5281	[FHMN10f]	✗									
5282	[MIPB+10]	✗									
5283	[BDD+10]	✗									
5284	[Miz11]	✗									
5285	[KSP+10]	✗									
5286	[n/a10b]	✗									
5287	[Mec10]	✗									
5288	[Ell10]	✗									
5289	[Bow10]	✗									
5290	[Coe10]	✗									
5291	[XTF10]	✗									
5292	[Pap10]	✗									
5293	[GBJ+10]	✗									
5294	[NARP10]	✗									
5295	[RCC10]	✗									Cluster based Black Hole Intrusion Detection System (BHIDS) for mobile, ad hoc networks
5296	[NHA10]	✗									
5297	[Das13b]	✗									
5298	[Das13a]	✗									
5299	[GRKAF10]	✗									
5300	[n/a10a]	✗									

Table 74: Studies **5301 - 5325** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5301	[KVB+10]	✗									
5302	[TJWM10]	✗									
5303	[She09]	✗									
5304	[RWGS09]	✗									
5305	[NAC09]	✗									
5306	[WIOK09]	✗									
5307	[IKC09]	✗									
5308	[BCD+09]	✗									
5309	[VLMW+09]	✗									
5310	[RM09]	✗									
5311	[GLG+09]	✗									
5312	[n/a09]	✗									
5313	[MFB+09]	✗									
5314	[PT09]	✗									In “Computer Relaying for Power Systems”
5315	[MGFT09]	✗									
5316	[Qin09]	✗									
5317	[SCG+09]	✗									
5318	[FIS08]	✗									
5319	[DHZM09]	✗									
5320	[DLG09]	✗									
5321	[DKB+09]	✗									
5322	[YNH09]	✗									
5323	[Ver09]	✗									
5324	[ZY09]	✗									
5325	[Ros07]	✗									

Table 75: Studies **5326 - 5350** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5326	[HGHT08]	✗									
5327	[Tow08]	✗									
5328	[DeL08]	✓	✗								
5329	[PF08]	✗									
5330	[CCDKC09]	✗									
5331	[MGP+09]	✗									
5332	[WCT+09]	✗									
5333	[Kap09]	✗									
5334	[cR09a]	✗									
5335	[cR09b]	✗									
5336	[Shi09]	✗									
5337	[Sta09]	✗									
5338	[FSdC09]	✗									
5339	[VBB+08]	✗									
5340	[n/a08a]	✗									
5341	[Cum08]	✗									
5342	[Mey08]	✗									
5343	[Car08]	✗									
5344	[GZ08]	✗									
5345	[FKH08]	✗									
5346	[Tos08]	✗									
5347	[BNX08]	✓	✗								
5348	[DAVHL08]	✗									
5349	[HYAS08]	✗									
5350	[CnMLJ+08]	✗									

Table 76: Studies **5351 - 5375** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5351	[KSR96]	✗									
5352	[Wal08]	✗									The same content of 5042
5353	[YGY+08]	✗									
5354	[BHP+08]	✗									
5355	[NBCM08]	✗									
5356	[Che08a]	✗									
5357	[n/a08b]	✗									
5358	[LMvD+08]	✗									
5359	[LHOE09]	✗									
5360	[MFH+08]	✗									
5361	[CWD08]	✗									
5362	[n/a08c]	✗									
5363	[RS08]	✗									
5364	[MPD+08]	✗									
5365	[SITE08]	✗									
5366	[n/a08d]	✗									
5367	[FS07]	✗									
5368	[MOO08]	✗									
5369	[CD10]	✗									
5370	[JCV+08]	✗									
5371	[ORB+08]	✗									
5372	[n/a07e]	✗									
5373	[LGZ07]	✗									
5374	[n/a07a]	✗									
5375	[CCB+07]	✗									

Table 77: Studies **5376 - 5400** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5376	[CCZ+07]	✗									
5377	[SHL07]	✗									
5378	[ZRC+07]	✗									
5379	[HHS07]	✗									
5380	[TKML+07]	✗									
5381	[n/a07b]	✗									
5382	[LGH+07]	✗									
5383	[n/a07f]	✗									
5384	[Man07]	✗									
5385	[n/a07c]	✗									
5386	[BWM+07]	✗									
5387	[XYW+07]	✗									
5388	[HMM+07]	✗									
5389	[BMO07]	✗									
5390	[MMA+07]	✗									
5391	[n/a07g]	✗									
5392	[SR07]	✗									
5393	[n/a07d]	✗									
5394	[Roc07]	✗									
5395	[Nua07]	✗									
5396	[LWLH07]	✗									
5397	[n/a06g]	✗									
5398	[SNMP06]	✗									
5399	[n/a06a]	✗									
5400	[n/a06e]	✗									

Table 78: Studies **5401 - 5419** (in cronological order) from **Wiley Online Library**

ID	Study	(I1)	(I2)	(I3)	(E1)	(E2)	(E3)	(E4)	(E5)	(E6)	Notes
5401	[n/a06f]	✗									
5402	[n/a06k]	✗									
5403	[n/a06h]	✗									
5404	[DSS06]	✗									
5405	[n/a06b]	✗									
5406	[Ber06]	✗									
5407	[n/a06i]	✗									
5408	[n/a06c]	✗									
5409	[Wu06]	✗									
5410	[Hec07]	✗									
5411	[GWM+06]	✗									
5412	[HGA06]	✓	✗								
5413	[n/a06j]	✗									
5414	[HLS+06]	✗									
5415	[n/a06d]	✗									
5416	[LLK+06]	✗									
5417	[CAJ+06]	✗									
5418	[Car06]	✗									
5419	[CAG+06]	✗									

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