

- AICT 2020, The Sixteenth Advanced International
- Conference on Telecommunications ICIW 2020, The Fifteenth International Conference on Internet and Web Applications
- and Services **ICIMP 2020**, The Fifteenth International Conference on Internet Monitoring and Protection
- **SMART 2020**, The Ninth International Conference on Smart Cities, Systems, Devices and Technologies IMMM 2020, The Tenth International Conference on
- Advances in Information Mining and Management
- **INFOCOMP 2020**, The Tenth International Conference on Advanced Communications and
- Computation • MOBILITY 2020, The Tenth International Conference on Mobile Services, Resources, and
- Users • **SPWID 2020**, The Sixth International Conference on Smart Portable, Wearable, Implantable and Disabilityoriented Devices and Systems ACCSE 2020, The Fifth

International Conference on

Communications and Services

Advances in Computation,

InfoSys 2020 Congress September 27, 2020 to October 01, 2020 - Lisbon, Portugal

- ICNS 2020, The Sixteenth International Conference on
- Networking and Services • ICAS 2020, The Sixteenth International Conference on **Autonomic and Autonomous** Systems
- ENERGY 2020, The Tenth International Conference on Smart Grids, Green Communications and IT Energy-
- aware Technologies WEB 2020, The Eighth International Conference on Building and Exploring Web
- Based Environments **DBKDA 2020**, The Twelfth International Conference on Advances in Databases,
- Knowledge, and Data **Applications** SIGNAL 2020, The Fifth International Conference on Advances in Signal, Image and
- Video Processing **BIOTECHNO 2020**, The Twelfth International Conference on Bioinformatics, Biocomputational Systems and Biotechnologies

SoftNet 2020 Congress October 18, 2020 to October 22, 2020 -Porto, Portugal

- **ICSEA 2020**, The Fifteenth International Conference on Software Engineering Advances
- ICSNC 2020, The Fifteenth International Conference on Systems and Networks Communications

CENTRIC 2020, The Thirteenth

- International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services VALID 2020, The Twelfth International Conference on Advances in System Testing and
- Validation Lifecycle **SIMUL 2020**, The Twelfth International Conference on
- Advances in System Simulation **SOTICS 2020**, The Tenth International Conference on Social Media Technologies, Communication, and

Informatics

INNOV 2020, The Ninth International Conference on Communications, Computation, Networks and Technologies **HEALTHINFO 2020**, The Fifth International Conference on Informatics and Assistive

Technologies for Health-Care, Medical Support and Wellbeing

InfoWare 2020 Congress October 18, 2020 to October 22, 2020 -Porto, Portugal

ICCGI 2020, The Fifteenth International Multi-Conference on Computing in the Global

Information Technology

- **ICWMC 2020**, The Sixteenth International Conference on Wireless and Mobile Communications
- **VEHICULAR 2020**, The Ninth International Conference on Advances in Vehicular Systems, Technologies and Applications
- **INTERNET 2020**, The Twelfth International Conference on **Evolving Internet** • COLLA 2020, The Tenth
- International Conference on Advanced Collaborative Networks, Systems and **Applications**
- **INTELLI 2020**, The Ninth International Conference on Intelligent Systems and
- Applications VISUAL 2020, The Fifth International Conference on
- Applications and Systems of Visual Paradigms • **HUSO 2020**, The Sixth

International Conference on

Human and Social Analytics BRAININFO 2020, The Fifth International Conference on Neuroscience and Cognitive **Brain Information**

NexTech 2020 Congress October 25, 2020 to October 29, 2020 -Nice, France

UBICOMM 2020, The

- Fourteenth International Conference on Mobile Ubiquitous Computing,
- Systems, Services and Technologies ADVCOMP 2020, The Fourteenth International
- Engineering Computing and Applications in Sciences **SEMAPRO 2020**, The Fourteenth International

Conference on Advances in

Conference on Advanced

- Semantic Processing **AMBIENT 2020**, The Tenth International Conference on Ambient Computing,
- Applications, Services and Technologies **EMERGING 2020**, The Twelfth International Conference on
- Emerging Networks and Systems Intelligence **DATA ANALYTICS 2020**, The
- Ninth International Conference on Data Analytics **GLOBAL HEALTH 2020**, The
- on Global Health Challenges CYBER 2020, The Fifth International Conference on Cyber-Technologies and Cyber-

Ninth International Conference

Systems ComputationWorld 2020 Congress October 25, 2020 to October 29, 2020 -

Nice, France **SERVICE COMPUTATION 2020**, The Twelfth International Conference on Advanced

- Service Computing **CLOUD COMPUTING 2020**, The Eleventh International Conference on Cloud
- Computing, GRIDs, and Virtualization **FUTURE COMPUTING 2020**,

The Twelfth International

- Conference on Future Computational Technologies and Applications **COGNITIVE 2020**, The Twelfth
- International Conference on Advanced Cognitive Technologies and Applications **ADAPTIVE 2020**, The Twelfth
- International Conference on Adaptive and Self-Adaptive Systems and Applications **CONTENT 2020**, The Twelfth

International Conference on

- Creative Content Technologies PATTERNS 2020, The Twelfth International Conference on Pervasive Patterns and
- **Applications COMPUTATION TOOLS 2020**, The Eleventh International Conference on Computational
- Logics, Algebras, Programming, Tools, and Benchmarking **BUSTECH 2020**, The Tenth International Conference on Business Intelligence and Technology

2020 - Valencia, Spain • **SENSORCOMM 2020**, The Fourteenth International

November 15, 2020 to November 19,

NetWare 2020 Congress

- Conference on Sensor Technologies and Applications **SENSORDEVICES 2020**, The Eleventh International
- Conference on Sensor Device Technologies and Applications **SECURWARE 2020**, The Fourteenth International
- Conference on Emerging Security Information, Systems and Technologies
- **AFIN 2020**, The Twelfth International Conference on Advances in Future Internet
- CENICS 2020, The Thirteenth International Conference on Advances in Circuits, Electronics
- and Micro-electronics ICQNM 2020, The Fourteenth International Conference on
- Quantum, Nano/Bio, and Micro Technologies FASSI 2020, The Sixth

International Conference on

Computing and Technologies

Fundamentals and Advances in Software Systems Integration **GREEN 2020**, The Fifth International Conference on Green Communications,

November 21, 2020 to November 25, 2020 - Valencia, Spain • **ICDS 2020**, The Fourteenth

DigitalWorld 2020 Congress

- International Conference on Digital Society • ACHI 2020, The Thirteenth
 - Advances in Computer-Human Interactions **GEOProcessing 2020**, The Twelfth International

Conference on Advanced

International Conference on

- Geographic Information Systems, Applications, and Services eTELEMED 2020, The Twelfth
- International Conference on eHealth, Telemedicine, and Social Medicine
- eLmL 2020, The Twelfth International Conference on Mobile, Hybrid, and On-line
- Learning • **eKNOW 2020**, The Twelfth International Conference on Information, Process, and
- Knowledge Management • ALLSENSORS 2020, The Fifth
- International Conference on Advances in Sensors, Actuators, Metering and Sensing **SMART ACCESSIBILITY**

2020, The Fifth International Conference on Universal Accessibility in the Internet of Things and Smart Environments

SERVICES - CONTACT

Think Wind

ThinkMind // CYBER 2018, The Third International Conference

Prototype Open-Source Software Stack for the Reduction of

False Positives and Negatives in the Detection of Cyber

Keywords: Threat Intelligence Processing Framework (TIPF);

Security Orchestration (SO); Log [Analysis] and Correlation Engine

A prototypical solution stack (Solution Stack #1) with chosen Open-

enhanced by hybridized OSS amalgams (e.g., Suricata and Sagan;

Kubernetes, Nomad, Cloudify and Helios; MineMeld and Hector) and

supplemented by select modified algorithms (e.g., modified N-Input

Averaging Algorithm [FTAA] module) leveraged by ensemble method

machine learning. The preliminary results of the prototype solution

Indicators of Compromise (IOC) and indicators of attack (IOA), of

Voting Algorithm [NIVA] modules and a modified Fault Tolerant

stack (Stack #2) indicate a reduction, with regards to cyber

false positives by approximately 15% and false negatives by

Dates: from November 18, 2018 to November 22, 2018

Source Software (OSS) components for an experiment was

(LCE); Container- Orchestration System (COS); Dynamic Service

on Cyber-Technologies and Cyber-Systems // View article

April 18 - 22, 2021 - Porto, Portugal

ENHANCED BY Google

submission deadline: January 19, 2021

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Steve Chan

Abstract:

Discovery (DSD).

approximately 47%.

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Indicators of Compromise and Attack



