

- **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 Advances in Computation, Communications and Services

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 Energyaware 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

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

Biotechnologies

- 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**
- International Conference on Applications and Systems of Visual Paradigms HUSO 2020, The Sixth

International Conference on Human and Social Analytics

VISUAL 2020, The Fifth

BRAININFO 2020, The Fifth International Conference on Neuroscience and Cognitive Brain Information

October 25, 2020 to October 29, 2020 -Nice, France **UBICOMM 2020**, The

NexTech 2020 Congress

- 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 Advanced

Conference on Advances in 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 Ninth International Conference on Global Health Challenges
- **CYBER 2020**, The Fifth International Conference on Cyber-Technologies and Cyber-Systems

2020, The Twelfth International Conference on Advanced

October 25, 2020 to October 29, 2020 -Nice, France **SERVICE COMPUTATION**

ComputationWorld 2020 Congress

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

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

International Conference on

- Conference on Advanced 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

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ThinkMind // CYBER 2019, The Fourth International Conference

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

Context-Referenced Telemetry Data for Distribution

Utilities: Quality Assurance/Quality Control by Lateral

Keywords: lateral sensor; electrical grid; weather monitoring

in the past few years. Natural disasters (e.g., lightning strikes,

least anticipated for secure the entire power system. However,

sensors for the electrical grid, by way of hyper-locale weather

temperature, barometric pressure, humidity precipitation, solar

radiation, and wind. These lateral sensor parameters can provide

communications interference impact power lines, via downed trees

Moreover, this weather monitoring utilizes 3D-printed technology for

based upon a Generative Adversarial Network (GAN). The results of

this study showed that implementation of lateral sensors based upon

monitoring system. It can identify patterns within the data and 3D-

printed sensors can detect more indicators that can cause power

the manufacturing of sensors with deep learning module, which is

sensors, provide incredible insight via parameter, such as air

and cause damage, via lightning strikes. Spider Radar Plots

concurrently have proven useful, as weather data can serve to

provide context reference for the grid sensor telemetry data.

deep learning module is more robust than previous weather

Dates: from September 22, 2019 to September 26, 2019

reflecting both weather sensor data and grid sensor data

indicators as to impending storms, which could cause

system; 3D-printed technology; generative adversarial network.

Resilience enhancements of electrical grid against damage to natural

forces have become a major concern for engineers and researchers

geometric storms, floods, etc.,) can cause devastating damages to

quantifying and anticipating the impact of weather is difficult task

due to its high stochasticity. In this study, a new concept of weather

monitoring system based on the lateral sensors is proposed. Lateral

power grid infrastructures. Many natural forces can be forecast or at

Wind

April 18 - 22, 2021 - Porto, Portugal

Think

NexComm 2021 Congress

submission deadline: January 19, 2021

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<u>Sensors</u>

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