

KET*

Focus on (*) Key Enabling Technologies - nanotechnologies, advanced materials, advanced manufacturing and processing



INNOVATE TOGETHER

27th June 2019 - Strasbourg - FRANCE

Project idea/ Field of expertise:

Artificial Intelligence (AI), Machine Learning (ML), Natural Language Processing (NLP)

Organisation Name:

Compris Technologies AG

Adressed challenge(s)/ PPP(s):

Explainable AI (XAI), Innovative AI Use Cases, Security Operations Center (SOC)

Adressed topic(s) in Work Programme:

- DT-SPIRE-11-2020: Artificial Intelligence and Big Data Technologies for Process Industries Eureka
- ITEA 3 - Software intensive systems and services

Compris Technologies AG

Guidance/Leadership/ Project Management	Software/System Architecture, BI	Network/Cloud Architecture	Cyber Security/IT Security Architecture	AI/NLP Architecture	Specialties
<p>ITPM, PMI, IPMA, Prince2, V-Model, EUP, ...</p> <p>Strategic Planning, Business Strategy, Strategic Portfolio Management</p> <p>Agile Coaching/ Product Owner: Scrum, Kanban, Lean, Design Thinking, DAD, SAFe, LeSS, SoS, Teal, Holacracy, ...</p> <p>Digital Transformation, Change Management, Outsourcing, Offshoring, Suppliers</p> <p>AIDA: AI-Driven Agile (Mesh of best situation-dependent agile/lean/classical Methods)</p>	<p>Java/JEE, C++, .NET, Python, PHP, HTML, JavaScript, SQL</p> <p>Product Lines</p> <p>Big Data, Data Lake, Hadoop, Spark, Scala, Kafka, Data Science</p> <p>Microservices, Go, Serverless, Node.js</p> <p>Mobile First, Hybrid</p> <p>Web/Native/3D Apps (ReactJS, VueJS, Angular, Ionic, Unity3D)</p> <p>Architectures for/enhanced with AI/Deep Learning (Suspend, Resume, Elasticity, Resilience, Security) for all domains/industries</p>	<p>Network/Service/API/VMware</p> <p>Architecture, Threat Analysis, Code Generation, ...</p> <p>High Availability (HA), Resilience</p> <p>Cloud Architecture: AWS, Azure, GCP, OpenShift, IaaS, PaaS, SDN</p> <p>Serverless, Hybrid Cloud, Kubernetes, Docker, OpenShift, OpenStack, ...</p> <p>Efficient Shifting of Resources between AI/batch background tasks, daily tasks and high-priority tasks (hold, resume, re-prioritize)</p>	<p>Automated Security Concept Creation (Common Criteria, BSI, ISO 27000ff), Secure Communication, Security Architectures/Reviews</p> <p>Threat Intelligence, Automated Patching</p> <p>SIEMs (Sec. Info & Event Mgmt), IoCs, Malware Analysis, PenTesting</p> <p>Intelligent Open Source SOCs (Sec. Operations Center with AI), RPA (Robotic. Process Automation) with Code Injection Techniques, Cyber Grand Challenge Solutions</p>	<p>Machine Learning, Data Science, Big Data (Spark, Kafka etc.) Knowledge Representation, Semantic Search, Competitive Intelligence, Text Watermarking/Steganography, Online Publishing. Deep Learning (General, NLP, Optimization/Speedup, Semantic, Scheduling: Kubeflow etc.)</p> <p>Explainable AI, Intelligent Solr/Elastic Search, TensorFlow/Keras/Auto-ML, Hybrid Deep and Semantic Learning.</p> <p>Automation: Deep Text Mining/Extraction, Intelligent OCR/ICR, AI-based Marketing/DMPs.</p> <p>eLearning/Intelligent Virtual Assistants/Chatbots: Giving hints regarding forgotten aspects, security/GDPR issues, SWOT aspects, possible synergies, relevant changes/news,</p> <p>Graph-/Memory-/Transformer-ConvNets (Convolutional Netw.)</p>	<p>Online Publishing, eLearning Apps</p> <p>Automated intelligent Software Analysis/Understanding/Improvement through Tracing, Logging, Instrumentation, UML Seq.Diagram Generation</p> <p>Efficient finishing of problem projects KPI- and expected Outcome-based</p> <p>Business Process Optimization, identify/avoid Bottlenecks</p> <p>Trainings: AI, Big Data, Security, Business Processes</p> <p>Optimize all processes/services/products with AI, Data Science, Nudging, Behavioral Psychology, etc.</p>

Time

Our project idea / expertise

- Development of Innovations and Software in AI/ML/NLP/CyberSecurity/Cloud.
- Developing and preparing patents in these areas (8 granted patents with high success so far).
- Agile methods/Design Thinking, Project Management

Projects:

1. Intelligent Security Operations Center (iSOC) with AI
2. Successor Technologies for Deep Learning
3. LegalTech: Ontologies, Analyzing texts, extracting logical relations, assessing risks.

Contact details

Contact person	Thomas Poetter
Organisation	Compris Technologies AG
Address	23, Rue du Couvent, F-67470 Seltz
Phone	+49-176-96 15 02 99
E-mail	tp@compris.com -> www.compris.com
