

Call for Papers of IEEE HotICN 2018

CFP of ICN Track

- ICN architecture and fundamentals
 - Routing and forwarding
 - Congestion Control
 - Hybrid networks, such as Integration ICN with SDN or IPv6 or DNS
 - Caching policy and management
 - Smart ICN (AI in ICN)
 - Data Center/High speed ICN
 - Prototype equipments for ICN Deployment
- ICN mobility
 - Producer/Consumer mobility, hand-over management
 - 5G ICN
 - Vehicle Networks or dynamic networking
- ICN in IoT
 - Fog Computing or Edge networks
 - IoT-specific security
- Security Issues in ICN
 - Privacy issues
 - Caching related security problems
 - Access Control
 - Trust management
- ICN performance and evaluation
 - Network Qos, Reliability
 - System performance and Application oriented performance
 - Green ICN (energy saving or cost reducing)
 - Monitoring and debugging
 - Testbed or benchmarking
- ICN-inspired applications and systems
 - ICN advantages in Ad hoc network
 - Tools, add-ons and thinner ICN systems
 - Content distribution and P2P
 - Distributed ICN algorithms and systems
 - Cloud-based services, Database, Big data
 - Streaming application and VR/AR
 - Implementation challenges and experiences
- ICN analysis and theory
 - Simulation or real system analysis (eg. Scalability or bottleneck)
 - Fundamental control and optimization theories
 - Traffic Engineering
 - Methodology and metrics

CFP of Blockchain Track

- Blockchain Technologies and Systems.
- Distributed Consensus Algorithms.
- Digital currency or Cryptocurrencies technologies
- Security, privacy and trust issues with blockchain schemes.
- Performance and scalability optimization of blockchain system.
- Testing, simulation, and modeling.
- Smart contracts and distributed ledger applications.
- Innovative applications with blockchain technique (eg. IoT, Fintech).

CFP of Knowledge Graph Track

- Information Extraction
 - Knowledge extraction
 - Named entity recognition, entity disambiguation and linking
 - Relationship extraction, event extraction
 - Semantic similarity / Metric learning
- Information Retrieval
 - Algorithm, models and theory of IR
 - Text filtering, mining, classification and clustering, Community mining
 - Content Recommendation, Analysis and Classification
 - Topic detection and summarization
 - Interactive research, UI and visualization
- Knowledge Representation
 - Knowledge representation learning
 - Knowledge graph embedding, modeling
 - Knowledge graph mapping, merging, reuse, and alignment
 - Quality issues, assessment metrics and measures in knowledge graphs
- Knowledge Graph Based Application
 - Machine translation
 - Question answering, Dialogue and interactive systems
 - Use cases in natural language processing, knowledge management, data integration, data publishing, smart data access and analytics
 - Specific applications in various verticals: medicine, business, industry and cultural heritage

Submission:

- **Regular papers: 6 pages (excluding references, may need extra fees for additional pages), for all tracks**
- **Industrial Papers or Demos: 2 pages (including references), only for blockchain track**
- **Posters or Demos: 2 pages (including references), only for Knowledge Graph track**

Submissions should be made through EasyChair: please go to the HotICN 2018 Submission Site at <https://easychair.org/conferences/?conf=ieeehotcn2018>

Publication:

2018 1st IEEE International Conference on Hot Information-Centric Networking (HotICN) has been officially approved by IEEE. All accepted papers will be published by IEEE, which will be submitted EI, CNKI index. Excellent papers will be selected and published on SCI and EI journals.

Important Dates:

Abstract Registration Deadline: May 20, 2018(11:59PM GMT)
 Paper Submission Deadline: May 20, 2018(11:59PM GMT)
 Acceptance Notification: June 9, 2018
 Industrial Papers & Demo Submission Deadline: June 20, 2018
 Camera Ready Due: June 25, 2018
 Conference: August 15-17, 2018

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