

## PASS Summit 2017 Technology Focuses

To help ensure our Abstract Review team is able to correctly review all submitted abstracts, a Technology Focus field has been added. We have indicated certain "hot topics" with an asterisk. While sessions associated with hot topics are needed to balance out the Summit Program, sessions submitted under other topics are also absolutely needed and are welcome. All abstracts and topics will be considered. Your best bet is to submit content you are passionate about that showcases your expertise.

### Advanced Analytics

- \* Azure Cognitive Services / Bot Framework / Artificial Intelligence
- \* Data Science Concepts, Frameworks, Best Practices
- \* Predictive Analytics / Data Science / Data Mining / Machine Learning
- \* R / Python / R Services / R Server / ML Services / R Studio
- Azure Machine Learning / ML Studio
- Cloud Analytics
- Real-Time Analytics
- Other

### Business Intelligence and Data Warehousing

- \* Agile BI Practices
- \* BIML / Automation
- \* Data Lakes and Data Warehouses
- \* Hybrid and Cloud BI Solutions
- \* MPP Data Warehousing: APS / PDW / Azure SQL DW
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- \* Power BI Embedded / Power BI APIs
- Azure Data Catalog
- BAPI: LogicApps / Flow / PowerApps / Common Data Model
- BI and DW Concepts / Frameworks / Best Practices
- BI and DW Testing / Automation / Deployments
- DW Data Model / Dimensional Model / Star Schema
- Dashboards / Scorecards / KPIs / Performance Management
- Data Storytelling / Data Visualization
- Enterprise Data Warehouse Solutions
- Excel / Excel Services
- Information Security / Governance / Compliance
- MDX and DAX
- Master Data Management / Data Quality
- Master Data Services (MDS)
- Mobile BI / Mobile Report Publisher
- Other
- PolyBase / Data Federation
- Power BI Custom Visuals / D3.js
- Power BI Desktop / Power BI Service
- SQL Server Analysis Services (SSAS) and Azure Analysis Services (AAS) Server Integration Services (SSIS)
- SQL Server Reporting Services (SSRS)
- Self-Service BI / Self-Service Data Preparation
- SharePoint BI Solutions

### Big Data and IoT

- \* Azure Data Lake Store (ADLS) / Azure Data Lake Analytics (ADLA) / U-SQL
- \* Big Data / Hadoop / HDFS
- \* Cortana Intelligence Suite
- \* IoT and Near Real-Time Solutions/Streaming Data Processing
- \* Lambda Architecture / Kappa Architecture / Scalable Data Architecture
- \* NoSQL Database Solutions
- \* Open Source Solutions (Spark / Storm / Sqoop / Hive / Pig etc)
- Azure Data Factory / Cloud Data Integration
- Azure HDInsight
- Azure Stream Analytics / Event Hub / IoT Hub
- Big Data Concepts / Frameworks / Best Practices
- Big Data Testing / Automation / Deployments
- Graph Database Solutions
- Other

### Cloud Solutions

- \* Azure Resource Manager / Automated Deployment / Infrastructure as Code
- \* Hybrid and Cloud Database Solution
- Azure Application Insights
- Azure DevTest Labs
- Azure Key Vault
- Azure Log Analytics
- Azure Recovery Vault
- Azure Service Fabric
- Azure Storage
- Azure Third Party Solutions
- Azure Virtual Networks / Gateway / Network Security / ExpressRoute
- Cloud-Based Database Solutions
- Other
- Private Cloud / Azure Stack

## Database Administration and Development

- \* Columnstore Index
- \* High Availability: Availability Groups / Mirroring / Clustering / Replication
- \* In-Memory Solutions
- \* Indexing
- \* Internals: Storage Engine / Query Engine / Compression
- \* New Features of SQL Server 2016
- \* New Features of SQL Server 2017
- \* Partitioning
- \* Performance Monitoring / Tuning / Extended Events / Waits
- \* PowerShell / Azure Automation / SMO (SQL Management Objects)
- \* Query Store / Execution Plans / Query Optimization / Statistics
- \* SQL Server Fundamentals
- \* SQL on Linux
- \* Security: Access / Encryption / Auditing / Compliance / Handling Breaches
- \* Tuning SQL Server for 3rd Party Applications (Dynamics, Sharepoint) Azure DocumentDB
- Azure SQL Database
- Azure Virtual Machines (IaaS) / VMWare / Virtualization / Consolidation Backup / Restore / Disaster Recovery
- Database Development Best Practices
- Database Maintenance
- Database Management
- Database Modelling / Database Design
- Hardware, Storage
- Hybrid Solutions
- Installing / Upgrading SQL Server
- Management and Development Tools (SSMS, SSDT, Visual Studio)
- Other
- Other Database Administration Topics
- Other Database Development Topics
- Resource Governor
- Scalability
- Service Broker
- Stretch Tables / Elastic Solutions
- Transact-SQL