Bewilligte Gesuche / requêtes aceptées / approved applications

1. Module 1: Computing and information technology

Böhlen Michael, Privacy Preserving, Peta-scale Stream Analytics for Domain-Experts, Universität Zürich, CHF 701'527

Cevher Volkan, Theory and methods for accurate and scalable learning machines, EPF Lausanne, CHF 599'456

Chen Lydia Yiyu, Dapprox: Dependency-ware Approximate Analytics and Processing Platforms, IBM Research GmbH, CHF 579'134

Cudré-Mauroux Philippe, Tighten-it-All: Big Data Integration for Loosely-Structured Data, Université de Fribourg, CHF 587'069

Hofmann Thomas, Conversational Agent for Interactive Access to Information, ETH Zürich, CHF 368'016

Kantere Vasiliki, Deployment Optimization for Big Data Applications on Hybrid Large-Scale Computing Infrastructures, Université de Genève, CHF 607'322

Kaplan Frédéric, ScanVan - A distributed 3D digitalization platform for cities, EPF Lausanne, CHF 497'392

Krause Andreas, Scaling Up by Scaling Down: Big ML via Small Coresets, ETH Zürich, CHF 490'108

Odersky Martin, Programming Language Abstractions for Big Data, EPF Lausanne, CHF 599'928

Soulé Robert, Exploratory Visual Analytics for Interaction Graphs, Università della Svizzera italiana, CHF 569'308

Traytel Dmytro, Big Data Monitoring, ETH Zürich, CHF 470'108

Zaffalon Marco, State space Gaussian processes for big data analytics, SUP della Svizzera italiana, CHF 632'974

Zwaenepoel Willy, Building Flexible Large-Graph Processing Systems on Commodity Hardware, EPF Lausanne, CHF 547'904

2. Modul 2: Gesellschaftliche, regulatorische und bildungsbezogene Herausforderungen
Module 2: Défis posés au niveau de la société, de l'économie, de la réglementation (y compris approches régionales et globales) et de l'éducation
Module 2: Societal, regulatory (both local and global), and educational challenges

Burri-Nenova Mira, The Governance of Big Data in Trade Agreements: Design, Diffusion and Implications, Universität Luzern, CHF 549'776

Christen Markus, Between Solidarity and Personalization – Dealing with Ethical and Legal Big Data Challenges in the Insurance Industry, Universität Zürich, CHF 471'739

Elger Bernice Simone, Ethical and legal regulation of Big Data research – towards a sensible and efficient use of electronic health records and social media data [BigResearchEthics], Universität Basel, CHF 400'062

Gless Sabine, Legal Challenges in Big Data. Allocating benefits. Averting risks, Universität Basel, CHF 624'856

Knutti Reto, Combining theory with Big Data? The case of uncertainty in prediction of trends in extreme weather and impacts, ETH Zürich, CHF 497'034

Mützel Sophie, Facing Big Data: Methods and skills needed for a 21st century sociology, Universität Luzern, CHF 654'223

Vayena Effy, BEHALF - Bigdata-Ethics-HeALth Framework, Universität Zürich, CHF 611'988

Weibel Antoinette, Big Data or Big Brother? – Big Data HR Control Practices and Employee Trust, Universität St. Gallen, CHF 517'989

3. Modul 3: Anwendungen
Module 3: Domaines d'application
Module 3: Applications

Axhausen Kay W., Big data transport models: The example of road pricing, ETH Zürich, CHF 661'478

Berezowski John, PIG DATA: Health Analytics for the Swiss Swine Industry, Universität Bern, CHF 728'876

Bleisch Susanne, EVAC – Employing Video Analytics for Crisis Management, Fachhochschule Nordwestschweiz, CHF 639'624

Capitani Guido, A Big Data approach to discovery in structural biology, Paul Scherrer Institut, CHF 597'774

Harbrecht Helmut, Big Data for Computational Chemistry: Unified machine learning and sparse grid combination technique for quantum based molecular design, Universität Basel, CHF 617'160

Karlen Walter, Personalized management of low back pain with mHealth: Big Data opportunities, challenges and solutions, ETH Zürich, CHF 593'798

Keller Emanuela, ICU-Cockpit: IT platform for multimodal patient monitoring and therapy support in intensive care and emergency medicine, Universität Zürich, CHF 573'853

Lechner Michael, Causal analysis with Big Data, Universität St. Gallen, CHF 467'883

Lomi Alessandro, The Global Structure of Knowledge Networks: Data, Models and Empirical Results, Università della Svizzera italiana, CHF 599'684

Rätsch Gunnar, Scalable Genome Graph Data Structures for Metagenomics and Genome Annotation, ETH Zürich, CHF 656'608

Roth Volker, weObserve: Integrating Citizen Observers and High Throughput Sensing Devices for Big Data Collection, Integration, and Analysis, Universität Basel, CHF 525'024

Salamin Nicolas, Efficient and accurate comparative genomics to make sense of high volume low quality data in biology, Université de Lausanne, CHF 573'911

Scartezzini Jean-Louis, Hybrid renewable energy potential for the built environment using big data: forecasting and uncertainty estimation, EPF Lausanne, CHF 586'228

Stockinger Kurt, Bio-SODA: Enabling Complex, Semantic Queries to Bioinformatics Databases through Intuitive Searching over Data, Zürcher Fachhochschule, CHF 637'913

Voloshynovskiy Svyatoslav, Machine Learning based Analytics for Big Data in Astronomy, Université de Genève, CHF 606'621

1. November 2016