PAUL SCHERRER INSTITUT

PSI

Welcome to 2nd European PaN EOSC Symposium

Open Research Data in Switzerland

- PSI Steering committee for data management activities
- ETH Domain Level Program (6 institutions of the ETH Domain 2021-2024)[1]
- National ORD Strategy[2]
- International relations through
  - Domain activities e.g. NeXus community
  - EOSC,
    - ExPaNDS, PaNOSC, LEAPS, LENS, EOSC-Future….
  - RDA etc.

[1]Open Research Data Position of the ETH Domain, adopted by the ETH Board on 13/14 May 2020: https://www.ethrat.ch/sites/default/files/ORD_Position_ETH_Domain.pdf
[2]A final draft, to be approved by the Schweizerische Hochschulkonferenz (SHK) is available: https://www.swissuniversities.ch/fileadmin/swissuniversities/Dokumente/Organisation/SUK-P/SUK_P-2/OpenScience_Strategy_v2.5_clean.pdf

HPC for the experiment/research lifecycle: Future

Computers | Alps

ALPS

Planned to come online in 2023, the "Alps" system infrastructure will replace CSCS's existing Piz Daint supercomputer and serve as a general-purpose system open to the broad community of researchers in Switzerland and the rest of the world.

The first cabinets of the "Alps" research infrastructure have been installed and accepted in November 2020. This phase comprises of 1'024 compute nodes based on the HPE Cray supercomputing architecture with Slingshot interconnect, and HPE ClusterStor storage system. Each node is equipped with two AMD EPYC(TM) 7742 64-Core processors. The scratch storage capacity is 10 PetaBytes.

Read the **press release >**

The first cabinets of the "Alps" research infrastructure have been installed in November 2020. (Image: CSCS)
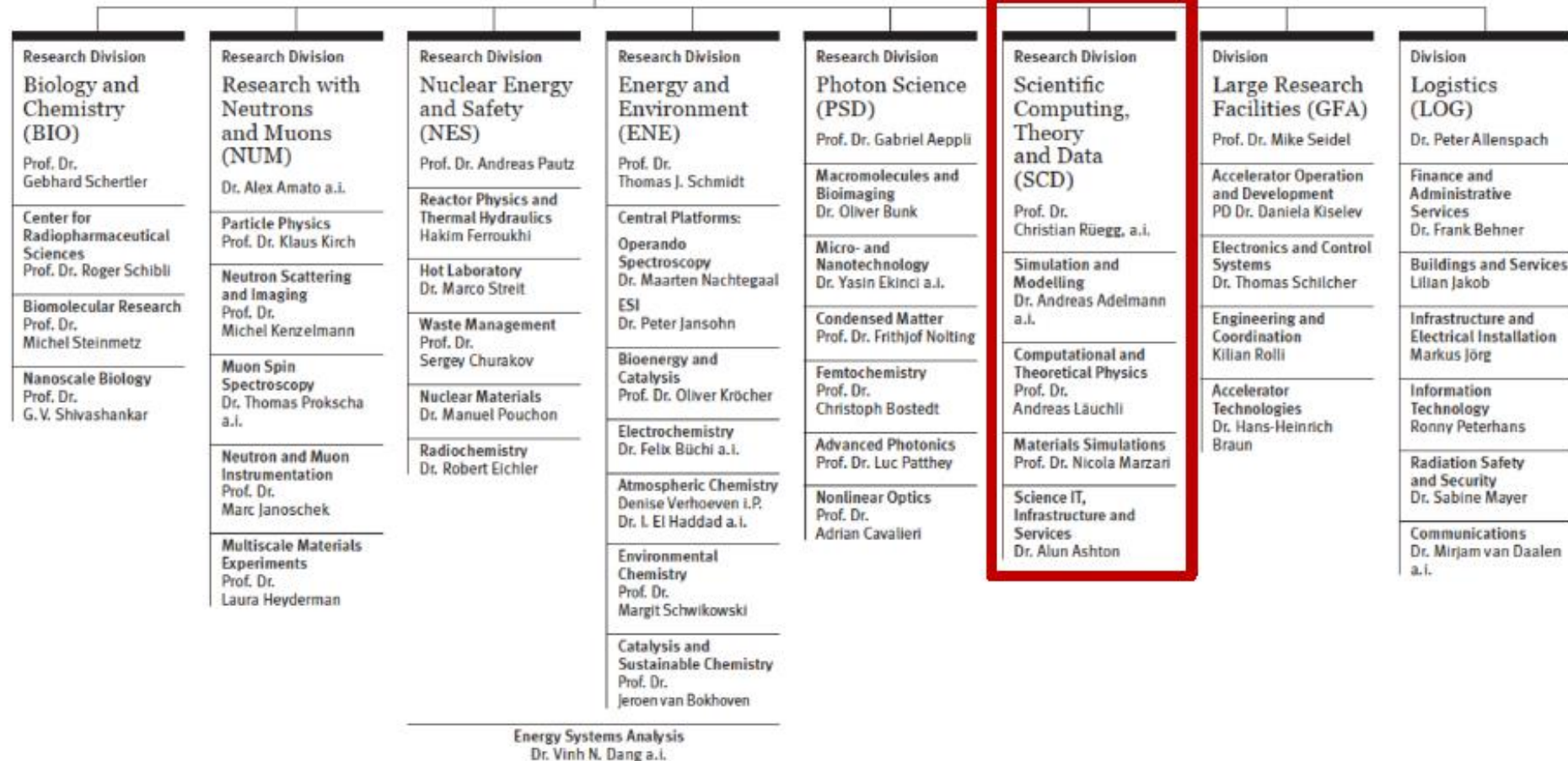
- TransALPS:
  - PSI and CSCS joint initiative to provide 'elastic' resources to PSI researchers and research communities.
  - 2020 -2025
  - Platform for EOSC integration for PaN users through ExPaNDS

New Scientific Computing, Theory and Data Division

Director:

Prof. Dr. Christian Rüegg

Members of the board of directors:
Prof. Dr. Gabriel Aeppli*
Dr. Peter Allenspach
Prof. Dr. Andreas Pautz
Prof. Dr. Gebhard F. X. Schertler
Prof. Dr. Thomas J. Schmidt
Prof. Dr. Mike Seidel
Dr. Thierry Strässle*

Directorate Support	Dr. Thierry Strässle
Human Resources Management	Karsten Bugmann
Safety	Dr. Werner Roser
Communications	Dr. Mirjam van Daalen a.i.
Science	Dr. Ines Günther-Leopold / Dr. Michèle Erat
Finance and Administrative Services	Dr. Frank Behner
Technology Transfer	John Millard
General Information Technology	Dr. Gerd Mann

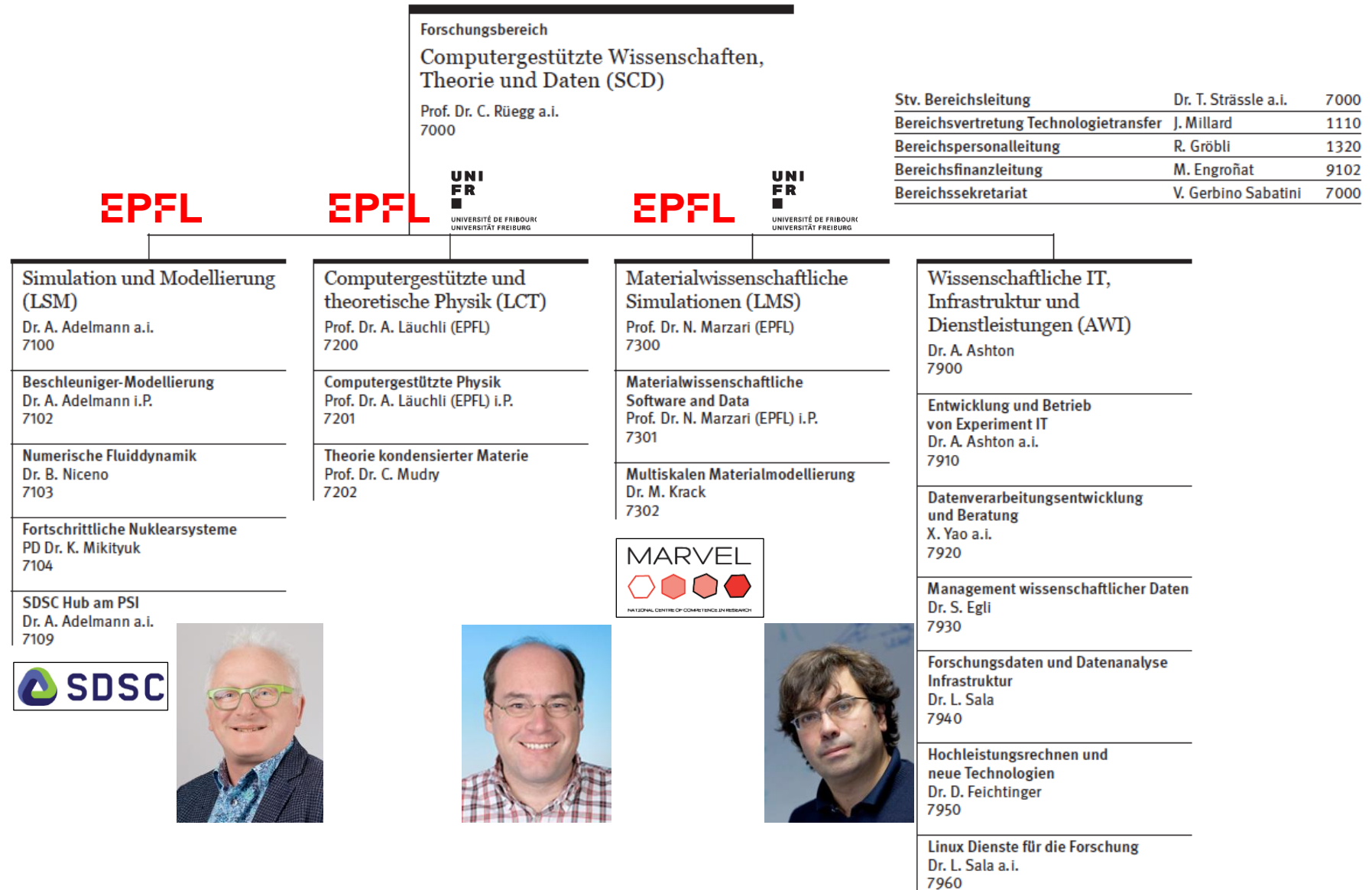|	
Research Committee	Prof. Dr. Marco Stampanoni
Human Resources Management	Karsten Bugmann
Center for Proton Therapy	Prof. Dr. Damien Weber

Research Division
Biology and Chemistry (BIO)
Prof. Dr. Gebhard Schertler

Center for Radiopharmaceutical Sciences
Prof. Dr. Roger Schibli

Biomolecular Research
Prof. Dr. Michel Steinmetz

Nanoscale Biology
Prof. Dr. G. V. Shivashankar

Research Division
Research with Neutrons and Muons (NUM)
Dr. Alex Amato a.i.

Particle Physics
Prof. Dr. Klaus Kirch

Neutron Scattering and Imaging
Prof. Dr. Michel Kenzelmann

Muon Spin Spectroscopy
Dr. Thomas Prokscha a.i.

Neutron and Muon Instrumentation
Prof. Dr. Marc Janoschek

Multiscale Materials Experiments
Prof. Dr. Laura Heyderman

Research Division
Nuclear Energy and Safety (NES)
Prof. Dr. Andreas Pautz

Reactor Physics and Thermal Hydraulics
Hakim Ferroukhi

Hot Laboratory
Dr. Marco Streit

Waste Management
Prof. Dr. Sergey Churakov

Nuclear Materials
Dr. Manuel Pouchon

Radiochemistry
Dr. Robert Eichler

Research Division
Energy and Environment (ENE)
Prof. Dr. Thomas J. Schmidt

Central Platforms:

Operando Spectroscopy
Dr. Maarten Nachtegaal

ESI
Dr. Peter Jansohn

Bioenergy and Catalysis
Prof. Dr. Oliver Kröcher

Electrochemistry
Dr. Felix Büchi a.i.

Atmospheric Chemistry
Denise Verhoeven i.P.
Dr. I. El Haddad a.i.

Environmental Chemistry
Prof. Dr. Margit Schwikowski

Catalysis and Sustainable Chemistry
Prof. Dr. Jeroen van Bokhoven

Energy Systems Analysis
Dr. Vinh N. Dang a.i.

Research Division
Photon Science (PSD)
Prof. Dr. Gabriel Aeppli

Macromolecules and Bioimaging
Dr. Oliver Bunk

Micro- and Nanotechnology
Dr. Yasin Ekinci a.i.

Condensed Matter
Prof. Dr. Frithjof Nolting

Femtochemistry
Prof. Dr. Christoph Bostedt

Advanced Photonics
Prof. Dr. Luc Patthey

Nonlinear Optics
Prof. Dr. Adrian Cavalieri

Research Division
Scientific Computing, Theory and Data (SCD)
Prof. Dr. Christian Rüegg, a.i.

Simulation and Modelling
Dr. Andreas Adelmann a.i.

Computational and Theoretical Physics
Prof. Dr. Andreas Läuchli

Materials Simulations
Prof. Dr. Nicola Marzari

Science IT, Infrastructure and Services
Dr. Alun Ashton

Division
Large Research Facilities (GFA)
Prof. Dr. Mike Seidel

Accelerator Operation and Development
PD Dr. Daniela Kiselev

Electronics and Control Systems
Dr. Thomas Schilcher

Engineering and Coordination
Kilian Rolli

Accelerator Technologies
Dr. Hans-Heinrich Braun

Division
Logistics (LOG)
Dr. Peter Allenspach

Finance and Administrative Services
Dr. Frank Behner

Buildings and Services
Lilian Jakob

Infrastructure and Electrical Installation
Markus Jörg

Information Technology
Ronny Peterhans

Radiation Safety and Security
Dr. Sabine Mayer

Communications
Dr. Mirjam van Daalen a.i.

New SCD Division – Start 1 July 2021

Forschungsbereich

Computergestützte Wissenschaften, Theorie und Daten (SCD)

Prof. Dr. C. Rüegg a.i.
7000

Stv. Bereichsleitung	Dr. T. Strässle a.i.	7000
Bereichsvertretung Technologietransfer	J. Millard	1110
Bereichspersonalleitung	R. Gröbli	1320
Bereichsfinanzleitung	M. Engroñat	9102
Bereichssekretariat	V. Gerbino Sabatini	7000

Simulation und Modellierung (LSM)
Dr. A. Adelmann a.i.
7100

Beschleuniger-Modellierung
Dr. A. Adelmann i.P.
7102

Numerische Fluiddynamik
Dr. B. Niceno
7103

Fortschrittliche Nuklearsysteme
PD Dr. K. Mikityuk
7104

SDSC Hub am PSI
Dr. A. Adelmann a.i.
7109

Computergestützte und theoretische Physik (LCT)
Prof. Dr. A. Läuchli (EPFL)
7200

Computergestützte Physik
Prof. Dr. A. Läuchli (EPFL) i.P.
7201

Theorie kondensierter Materie
Prof. Dr. C. Mudry
7202

Materialwissenschaftliche Simulationen (LMS)
Prof. Dr. N. Marzari (EPFL)
7300

Materialwissenschaftliche Software and Data
Prof. Dr. N. Marzari (EPFL) i.P.
7301

Multiskalen Materialmodellierung
Dr. M. Krack
7302

Wissenschaftliche IT, Infrastruktur und Dienstleistungen (AWI)
Dr. A. Ashton
7900

Entwicklung und Betrieb von Experiment IT
Dr. A. Ashton a.i.
7910

Datenverarbeitungsentwicklung und Beratung
X. Yao a.i.
7920

Management wissenschaftlicher Daten
Dr. S. Egli
7930

Forschungsdaten und Datenanalyse Infrastruktur
Dr. L. Sala
7940

Hochleistungsrechnen und neue Technologien
Dr. D. Feichtinger
7950

Linux Dienste für die Forschung
Dr. L. Sala a.i.
7960

Scope: Science IT Infrastructure and Services

Alun Ashton
(Head of AWI)

Alun Ashton a.i.
Experiment IT Development and Operations

Markus Janousch
Data Processing Development and Consulting

Leonardo Sala
Data and Analysis Research Infrastructure

Stephan Egli
Scientific Data Curation
(ORD)

Derek Feichtinger
HPC and Emerging Technologies

Leonardo Sala a.i.
Core Linux Research Services

- Data Chain

- Software (based on research demands and prioritization)

- Storage (online for SCD, PSD, NES and BIO, archive services for PSI)

- HPC (for SCD, PSD, NES and BIO, expandable for PSI research)

- Coordinator and IT Architect for Controls and Science IT activities for SLS 2.0

- Communication/Coordination/Community

Marie Yao

The PSI ExPaNDS team hope to welcome you here soon!