

2023-02-28 (Tuesday)					
UTC	Session A	#	Title	Speaker	Chairperson
12:00	International Welcome		International Welcome	Alan Steele, CIPM WG Dig., Canada	Siegfried Hackel
12:15	PTB Welcome		PTB Welcome	Cornelia Denz, President PTB, Germany	
12:30	The International Perspective of DCC	1	Digital Calibration Certificate as Part of an Ecosystem	Antonio Matamala, Beamex, Finland	
12:45		2	Calibration, Certification, Testing – Is Compatible Digitalisation Possible?	Brett Hyland, NATA, Australia	
13:00		3	Towards Digital SI Traceability Statements in Calibration Certificates Issued by NMIs and DIs	Olav Werhahn, BIPM	
13:15		4	Recent Advances in Digital Representation of Measurement Data by the D-SI Metadata Model	Daniel Hutzschenreuter, PTB, Germany	
13:30	Break				
13:45	Break				
UTC	Session B	#	Title	Speaker	Chairperson
14:00	DCC and Accreditation	5	Bringing the Digital Accreditation Symbol and the Digital Calibration Report (DCC) into Practice	Susanne Kuch, German Accreditation Body (DAkkS), Germany	Robert J. Hanisch
14:15		6	The General DCC Rulebook and the Rules under the Aspects of Accreditation	Siegfried Hackel, PTB, Germany	
14:30	Digital Signatures	7	Qualified Electronic Seals - The Peace of Westphalia in the Laboratory Sector	Robert Hilgers, Bundesdruckerei / D-Trust, Germany	
14:45		8	How to Apply Digital Signatures on a Digital Calibration Certificate	Robin Fay, Deutsche Telekom Security GmbH, Germany	
15:00	Semantics / Persistent Identification	9	The Semantics of Measured Quantities	Mark Kuster, Independent Researcher, USA	
15:15		10	Persistent Identification of Instruments and the Digital Calibration Certificate	Markus Stocker, TIB – Leibniz Information Centre for Science and Technology,	
2023-03-01 (Wednesday)					
UTC	Session C	#	Title	Speaker	Chairperson
12:00	Different DCC Approaches	11	DCC and Digitisation versus Digitalisation and Digital Transformation	Siegfried Hackel, PTB, Germany	Brett Hyland
12:15		12	Development of PDF based Digital Calibration Certificates at NMIJ, AIST	Kazuaki Yamazawa, NMIJ, Japan	
12:30		13	Software for the Creation of Machine-Readable and Human-Friendly Reports	Diego Nahuel Coppa, INTI, Argentina	
12:45	DCC and Machines	14	Machine Readability – Automating the Extraction of Data from DCC's	David Balslev-Harder, DFM, Denmark	
13:00	DCC-News	15	What's New in the DCC Schema Version 3.2.0?	Benjamin Gloger, PTB, Germany	
13:15		16	Validation Methods in the Preparation of DCCs: The Schematron Validation Tool	Gamze Söylev Öktem, PTB, Germany	
13:30	Break				
13:45	Break				
UTC	Parallel Session 1	#	Title	Speaker	Chairperson
14:00	DCC-Tools	23	The GEMIMEG Tool – A Software for Creating Digital Calibration Certificates (DCCs)	Moritz Jordan, PTB, Germany	David Balslev-Harder
14:15		24	Python Tools Examples for the Transition to DCC	Claudio Francese, INRIM, Italy	
14:30		25	Generation of Digital Calibration Certificates for Temperature Sensor Calibrations using Python and Excel	Ian Smith, National Physical Laboratory, UK	
14:45		26	Dynamic Web Tool for Generating DCC	Itzel Domínguez-Mendoza, CENAM, Mexico	
15:00		27	The Use of (Anonymised) Timestamps in the DCC	Gamze Söylev Öktem, PTB, Germany	
UTC	Parallel Session 2	#	Title	Speaker	Chairperson
14:00	DCC and Machines	28	Pilot Comparison Project in Terms of Air Kerma in Radiation Protection between Digital Twin Laboratories	Eric Matos Macedo, Labprosaud/IFBA, Brazil	NN
14:15		29	Data Analysis and Business Intelligence - Digital Metrology	Talaat Abdulkader Al-Rahali, NMCC, Saudi Arabia	
14:30	Good Practice (GP)	30	Calibration 4.0: A DCC Implementation in Electrical Metrology for the Calibration of Digital Multimeters	Juan Carlos Suárez Barón, INTI, Argentina	
14:45		31	DCCs for Non-Automatic Weighing Instruments (NAWIs) – Current Status of a Respective Working Group Elaborating "Good Practice" Conventions	Julian Haller, Sartorius Lab Instruments GmbH & Co. KG, Germany	
15:00		32	Digital Calibration Certificates for Weights and Mass Standards: Rules and Applications	Gisa Foyer, PTB, Germany	
15:15	33	DCC Good Practice Examples for Air Humidity and Air Pressure – Current Status of Respective Working Groups	Christian Rohrig, PTB, Germany		
UTC	Parallel Session 3	#	Title	Speaker	Chairperson
14:00	In Development	34	The DCC in its Role as Networked Data Source	Benjamin Gloger, PTB, Germany	Robert J. Hanisch
14:15		35	The Digital SchemaX (DX)	Justin Jagieniak, PTB, Germany	
14:30	DCC and Industry	36	Pharmaceutical Test Case of a DCR- and DCC Implementation in an Accredited Calibration Laboratory	Jakob Fester, Danish Technological Institute, Denmark	
14:45		37	A Universal Measurement Model	Michael Brown, Fluke, USA	
15:00		38	The Quality of Sensing, of Data or of Information	Thomas Engel, Siemens AG, Germany	
15:15	39	Two Implementations of Digital Calibration Certificates in Industrial and Metrological Services	Marcos E. Bierzychudek, INTI, Argentina		
2023-03-02 (Thursday)					
UTC	Session D	#	Title	Speaker	Chairperson
12:00	Community-Feedback for Further Developments of the DCC	17	The Digital NIST: Pilot Project for the Digital Transformation of NIST's Measurement Services	Dinis Camara, NIST, USA	Siegfried Hackel
12:15		18	On the Construction and the Dissemination of Digital Metrology Datasets for Research and Development Purposes	Mohammed S. Gadelrab, NIS, Egypt	
12:30		19	Analyzing the Conformance of DCC Prototype Architecture to Calibration Laboratory Expectations Report	Praiya Thongluang, NIMT, Thailand	
12:45		20	A Proof of Concept for a Digital Calibration Environment for Digital Multimeters	Marcos E. Bierzychudek, INTI, Argentina	
13:00		21	DKDs Contribution to DCC Harmonisation and Coordinated Development	Thomas Krah, PTB, Germany	
13:15		22	GEMIMEG-II – Status and Progress Report	Thomas Engel, Siemens AG, Germany	
13:30	Break				
13:45	Break				
UTC	Parallel Session 4	#	Title	Speaker	Chairperson
14:00	Human Readable DCC	40	Human Readable Digital Calibration Certificate for Piston-Operated Volumetric Apparatus	Thilini Pathiragoda, Industrial Technology Institute, Sri Lanka	NN
14:15		41	Generating DCC and Human-Friendly Readable Using Auto-Generated XML Schema	Praiya Thongluang, NIMT, Thailand	
14:30		42	A Human Readable Form for the DCC	Muhammed-Ali Demir, PTB, Germany	
14:45	DCC Tools	43	Using a Spreadsheet to generate XML Based on XSD Schema	José Armando Lopez-Celis, CENAM, Mexico	
15:00		44	XML Tree Editor	Justin Jagieniak, PTB, Germany	
UTC	Parallel Session 5	#	Title	Speaker	Chairperson
14:00	Adoption of DCC at NMIs	45	Digital Transformation of NMI: Practical Experience on DCC and Beyond @ NIS-Egypt	Ahmed Hussein, NIS, Egypt	NN
14:15		46	The Strategy and Roadmap for DCC Implementation in Russia	Alexey Kroshkin, VNIIMS, Russia	
14:30		47	Equipment Management and Tracking System - Cloud Service for Calibration Certificate Management	Sunantiya Parana, NIMT, Thailand	
14:45		48	Mapping of Processes and Risks in the Digital Transformation in Metrology of Ionizing Radiation - A Case Study in X-Ray Air Kerma Calibration	Igor Fernando Modesto Garcia, Labprosaud/IFBA, Brazil	
15:00		49	Processes and Conventions for the DCC – Results of PTB's 100-Day Programmes in 2022	Shanna Schönhals, PTB, Germany	
15:15	RMO Activities around DCC	50	DCC2GO - Supporting the Implementation of Digital Calibration Certificates in the European Metrology Community	Anke Keidel, PTB, Germany	
UTC	Parallel Session 6	#	Title	Speaker	Chairperson
14:00	Community-Feedback for Further Developments of the DCC	51	How does a Machine Distinguish the Different Types of DCCs?	Siegfried Hackel, PTB, Germany	David Balslev-Harder
14:15	Traceability	52	Traceability	Abdullah Al Mamun, Bangladesh Standards and Testing Institution (BSTI), Bangladesh	
14:30	Commercial Approaches to DCC	53	DCC Middleware - Obstacles and Approaches	Hans Koch, da+d, Germany	
14:45		54	Digital Calibration Certificate with MetriccodeHUB, a Real Implementation Case	Damiano Pietri, Metriccode s.r.l., Italy	
15:00		55	Automatic Generation of Digital Calibration Certificates with AnyDCC	Maik Stotz, STOTZ-Software, Germany	
15:15		56	DCC via iPhone (or iPad)	Hans Koch, da+d, Germany	
UTC	Session E	#	Title	Speaker	Chairperson
15:30	End of Conference		Summary of the 3rd international DCC-Conference	Siegfried Hackel, PTB, Germany	