

COCIR GENERAL ASSEMBLY OPEN SESSION

HOW TO PUT ARTIFICIAL INTELLIGENCE INTO DAILY HEALTHCARE



Speakers Book
Friday 12 April 2019

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Moderator



Name

Tapani Piha

Title

Special Adviser Fipra International, Former Head of Unit at the European Commission, DG SANTE

Organisation

Fipra International Ltd

Tapani Piha currently works as Special Adviser at Fipra International Ltd and for the Finnish Ministry of Social Affairs and Health.

In the European Commission from 2001 and as Head of Unit (2004-2018) he worked on digital transformation in healthcare, cross-border exchange for e-prescriptions and patient data, the European Reference Networks for rare diseases, implementation of the Directive on patients' rights in cross-border healthcare, policies on Health Technology Assessment (HTA), health strategy and health information, and in 2008-2012 he was Head of Unit for Human Resources.

After completing the medical degree in 1980, he studied epidemiology, interventions on health behaviours and cardiovascular disease, and programmed PC applications. He served the Finnish Ministry of Social Affairs and Health, and coordinated Finland's EU policies in health in 1995-2001. At the WHO Regional Office for Europe in 1989-94 he was responsible for the Action Plan for a Tobacco-Free Europe.

Welcome Address



Name

Jan Kimpen

Title

COCIR President and Chief Medical Officer at Philips

Organisation

COCIR / Philips

Jan Kimpen is COCIR President since March 2018.

Jan joined Philips in January 2016 as Chief Medical Officer, with responsibility for clinical innovation and strategy, medical affairs and health economics. He also heads the Medical Leadership Team, with overall responsibility for medical strategy, including advocacy and partnerships, clinical trials and guidelines.

Before joining Philips, Jan was CEO of the University Medical Center Utrecht in the Netherlands from 2009, where he had also held the positions of professor and chairman of Pediatrics.

Jan is a regular speaker on cardiology and oncology solutions, eHealth and digital innovation. In addition to his native Dutch, he speaks English, French and German. He is a graduate of the Katholieke Universiteit Leuven in Belgium.

Opening Keynote Speech by the Commission: How does the Digital Single Market support Artificial Intelligence



Name

Khalil Rouhana

Title

Deputy Director-General

Organisation

DG CNECT, European Commission

Khalil Rouhana is the Deputy Director-General in DG CNECT (Communications Networks, Content & Technology) since December 2016.

His responsibilities include the policies for digital economy and society, and notably for research, innovation and industrial strategies, digital solutions for societal challenges and governments as well as cybersecurity. Before that he was Director for Digital Industry in DG CNECT supporting the competitiveness of core digital sectors in Europe and the digitisation of all industrial sectors of the economy.

In his previous experiences in the Commission, he was the Director for Digital content & Cognitive systems, the Head of Unit in charge of ICT research and Innovation strategy, and started as a project officer in the ESPRIT programme in the areas of High Performance Computing and Future and Emerging Technologies.

Before joining the Commission in 1992, he was for 5 years the director of an institute and school of engineering (Grande Ecole) in France. He started his career as research and development engineer for the aeronautics industry, worked for the French University in Beirut and created also his own engineering company. He has a master degree in electrical and electronic engineering from “Ecole Supérieure d’Electricité” (Supelec, France).

What is eHealth Network doing towards AI in Health?



Name

Professor Henrique Martins

Title

Chair of eHealth Network and President of the Board of Shared Services of the Ministry of Health of Portugal (SPMS)

Organisation

eHealth Network / SPMS

Professor Martins is an Internal Medicine Specialist. He has several publications in the area of Mobile computing in healthcare and many conference presentations/keynotes in the area of eHealth.

He is the President of the Board of SPMS, the Shared Services and eHealth/IT authority of the Ministry of Health, since April 2013 until present date, after having served for 2 years as Adjunct for Health IT to the Health Secretary of State of Portugal. He was responsible for setting up the Health Information Sharing Platform for Electronic Health Records in Portugal, nationwide ePrescription/eDispensation, national vaccination records, and many other national eHealth projects.

In the past he has worked as Chief Medical Information Officer at Hospital Fernando Fonseca for 5 years. He started and coordinated for 3 years the Center for Investigation and Creativity in Informatics, where he supervised projects in robotics, mobile computing and database exploration and intelligent systems. He is currently studying for Master in Administrative Law (Universidade Católica Portuguesa).

Since 2018 he was elected as co-chair of the eHealth Network, the EU body responsible for eHealth Policy in the Union, by Member-States and has been Portugal's representative since 2012.

COCIR Priorities on Effective Implementation of AI in Healthcare



Name

Marcus Zimmermann-Rittereiser

Title

COCIR AI in Health Task Force Chair and Senior Vice President Digital Health Services at Siemens Healthineers

Organisation

COCIR / Siemens Healthineers

Marcus Zimmermann-Rittereiser is the Senior Vice President for Digital Health Services at Siemens Healthineers.

He has a Diploma in Biomedical Engineering and a Master of Business and Marketing (MBM) in Business Economics. He has more than 30 years of experience in International Healthcare and Healthcare IT and has held various management positions at Siemens Healthineers at Regional offices and Headquarters.

He is acting as Chair of the Digital Health Committee and as Chair of the Artificial Intelligence in Health Task Force at COCIR.

Panel 1: Imaging and Cardiovascular Use Cases



Name

Professor Guy Frija

Title

Chair of the Eurosafe Imaging campaign

Organisation

European Society of Radiology

Professor Guy Frija is currently Professor Emeritus of Radiology in Paris and a Radiologist and consultant in the imaging department of the Hôpital Européen Georges Pompidou in Paris (HEGP). He is a part-time professor at the Department of Radiology at the faculty of health sciences of Mac Master University. Next to that he is a member of the Scientific Committee of the Institut de Radioprotection et de Sûreté Nucléaire (IRSN), as well as the Co-chair of the Imaging section of MEDICEN and the Chair of the steering committee of Eurosafe Imaging.

During his professional experience he was Chair of the imaging department of HEGP, and he served as President of several radiological organisations: the French Society of Radiology (SFR), the International Society for Strategic Studies in Radiology (ISSSR), and the European Society of Radiology (ESR).

He was adviser of the Ministry of Health for the PACS development in France. He is a former IAEA consultant and developed an expertise in the field of Radiation protection along his career.

More recently he has been a task leader in the ESR for developing a CDS system for imaging, and he has established "Eurosafe Imaging" during his ESR presidency. He is setting up an international cooperation in the field of radiation protection under the umbrella of the International Society of Radiology.

Professor Guy Frija is Doctor Honoris Causa of the University of Montreal and of the University Carol Davila in Bucharest, and honorary fellow of several radiological societies. He published more than 175 papers in peer review journals.

Panel 1: Imaging and Cardiovascular Use Cases



Name

Professor Alan G. Fraser

Title

Professor of Cardiology

Organisation

University Hospital of Wales and European Society of Cardiology

Professor Alan G. Fraser is a Consultant Cardiologist at the University Hospital of Wales, Cardiff, UK, a Visiting Professor in Cardiovascular Imaging and Dynamics at the University of Leuven, and emeritus Professor of Cardiology at the Wales Heart Research Institute, Cardiff University.

He qualified in Edinburgh, undertook postgraduate training in Scotland and Wales, and was clinical research fellow at the Thorax Center in Rotterdam. Within the European Society of Cardiology (ESC) he has been President of the European Association of Echocardiography, and ESC Vice-President for External Affairs. He currently chairs the Committee on Regulatory Affairs and represents the ESC on European Commission committees concerning medical devices.

His expertise is in functional imaging of the heart, and his research interests include heart valve disease, heart muscle disease, and the pathophysiology and diagnosis of heart failure.

Panel 1: Imaging and Cardiovascular Use Cases



Name

François Meurgey

Title

Strategic Adviser

Organisation

European Multiple Sclerosis Platform (EMSP)

François Meurgey has spent more than 25 years in the Pharmaceutical industry, a career almost equally divided between Europe and the United States, and between operational and staff functions.

As Director of Global Marketing for Prozac at Eli Lilly (1997-1999), Senior Director, US and Global CNS Marketing at Pharmacia (1999-2002) and Senior Vice-President Global Marketing at UCB (2003-2007), he has managed the development and commercialization of four blockbusters at various stages of their lifecycle (Prozac, Zyrtec, Keppra, Cimzia).

In 2007, François Meurgey created his own Brussels-based consulting business, Oukelos sprl. He is a member of the Board of Directors of several Belgian biotech firms, and teaches regularly at European business schools, such as ESSEC in Paris.

François has been a *pro bono* adviser to European patient advocacy groups including the European Multiple Sclerosis Platform (EMSP) and the European Patient Forum (EPF), for more than 10 years. He has co-authored five articles in peer-reviewed journals and recently completed two book chapters, on the 'Reimbursement of Regenerative Medicine in Europe' and 'Social Media Strategies in Healthcare'.

A French national, he is a graduate of NEOMA Reims Management School, received an Master's degree in International Relations from Université de Paris-Sorbonne and holds a Master of Business Administration from the Stern School of Business at New York University.

Panel 1: Imaging and Cardiovascular Use Cases



Name

Belen Soto Bodi

Title

COCIR Lead in AI and Senior Director AI Strategic Data Engagement
Leader at GE Healthcare

Organisation

COCIR/ GE Healthcare

With over 23 years of experience in the public and healthcare sector, Belen Soto has held a number of management roles, and previously served as a commercial director at Indra Sistemas, where she provided commercial leadership in Spain, Eastern Europe, and the Asia-Pacific region.

Prior to that role, she spent 10 years as a senior manager at Arthur Andersen, where she was responsible for the management, coordination, and execution of numerous projects in the Public & Healthcare Administration and also co-authored various publications around the public sector, including “Manual of Public Policy of Community of Madrid” and “Trade in the municipality of Leganés.”

Belen holds a degree in Economics and Business from Colegio Universitario de Estudios Financieros in Spain and an Executive degree at the ESADE business school. She is currently a chairman of eHealth within FENIN, the Spanish Federation of Health Technology Companies.

Panel 1: Imaging and Cardiovascular Use Cases



Name

David Guez

Title

COCIR Lead in Digital Health and Managing Director at WeHealth by Servier

Organisation

COCIR / WeHealth by Servier

As the Director of WeHealth by Servier, Mr Guez is responsible for eHealth within the Servier Group, an independent and international mid pharma company.

Mr Guez was trained as a medical doctor in Paris (France) and as a specialist in cardiology and internal medicine (mainly geriatrics). He joined the Servier company as Director of Therapeutic Research responsible for strategy and development in cardiovascular, neuropsychiatry, oncology, rheumatology, endocrinology and metabolic diseases for all medicines and for their life-cycle management. He then took over the Medical Innovation and R&D Coordination department (Strategic Planning, project and portfolio management).

For the last 2 years, Mr Guez has been leading the development of new healthcare solutions in partnership with start-ups, integrating open innovation and new business models. The objective is to create better care through innovative solutions that gather technology, connectivity and information in order to improve the patient's quality of life at lower healthcare costs. It consists in developing medical devices, services, apps to collect real world data and improve disease management.

He is mainly interested in management of innovation, new healthcare solutions, entrepreneurship, change and leadership.

Panel 2: Radiotherapy and Genomics Use Cases in Cancer Care Setting



Name

Professor Vincenzo Valentini

Title

Full Professor of Radiotherapy, Former ESTRO President

Organisation

Università Cattolica del Sacro Cuore, Roma, Italy

Professor Vincenzo Valentini is the author of more than 450 publications in peer reviewed international journals, editor of monographs on intestinal neoplasms and on applications of computer science in radiotherapy.

He is on the editorial board of Radiotherapy and Oncology, and member of the editorial committees of international journals. He is a member of the editorial board of several national and international radiotherapy journals.

In the last 30 years he has concentrated his activity in radiotherapy, directing his interest in various fields. In particular: the optimization of radiant treatments using advanced imaging techniques for the definition of the volume of irradiation, for delineation, publishing several international guidelines; the research of integration between radiotherapy and surgery, managing preoperational and intra-operational programs; the research of integration between radiotherapy and chemotherapy in which he applied different plans for the treatment of locally advanced neoplasms, particularly in diseases of the rectum, pancreas, stomach, anal canal, lung, cervix and biliary tract.

Professor Valentini served as President of the European Society for Radiotherapy & Oncology (ESTRO) from 2011 to 2014.

Panel 2: Radiotherapy and Genomics Use Cases in Cancer Care Setting



Name

Dr. Stefanie Rudolph

Title

Scientific Coordinator

Organisation

German Cancer Research Center, Heidelberg

Dr. Stefanie Rudolph of the German Cancer Research Center (DKFZ) in Heidelberg is the project manager of DataBox.

DataBox is a patient-centered health platform that aims at improving the treatment of lung cancer by giving the patients the power over/all rights to their data.

Under the umbrella of the German Cancer Research Center (DKFZ) and in cooperation with SAP and Siemens Healthineers, DataBox has been developed by physicians, researchers and IT specialists. The project is funded by the Federal Ministry of Education and Research (BMBF) and the Federal Ministry of Health (BMG).

Dr. Stefanie Rudolph studied biology in Frankfurt and had worked as scientific coordinator at the Goethe University in Frankfurt before starting her current position at the German Cancer Research Center (DKFZ) in October 2017.

Panel 2: Radiotherapy and Genomics Use Cases in Cancer Care Setting



Name

Benjamin Haas

Title

COCIR Lead in Digital Health and Manager Anatomy Modeling at VARIAN

Organisation

COCIR / VARIAN

Benjamin Haas is responsible for the design and development of software components for building 3D models of patient anatomy used in radiotherapy planning products.

In the past years, his team especially focused on enabling an adaptive radiotherapy workflow through AI guidance, including automatic segmentation of organs. The team has a long history of successful collaboration with clinical, scientific and technical partners and continues to work on AI guided automation and decision support for radiotherapy.

At age 12, Benjamin started programming personal computers. During his computer science studies, he was soon attracted by medical applications, and collaborated with Varian in his first radiotherapy project in 1994.

As a research assistant at Insel Hospital Bern, he received an M.Sc. from University of Bern (1996) for his thesis on beam intensity modulation, and a PhD from ETH Zurich (2003) for his thesis on treatment plan geometry optimization. He joined Varian in 2003 to work on automatic segmentation and other image processing projects.

Overview on European Commission Initiatives in Artificial Intelligence in Health



Name

Ceri Thompson

Title

Deputy Head of Unit of eHealth, Well-Being & Aging

Organisation

DG CNECT, European Commission

Dr Ceri Thompson is Deputy Head of DG CNECT's eHealth, Wellbeing and Ageing unit.

Within the European Commission, Ceri has previously worked for DG SANTE and Eurostat. Prior to joining the Commission she worked on Global Health policy at the UK's Department for International Development, and for KPMG's international healthcare practice, conducting strategic and efficiency reviews of health systems.

Ceri graduated with a degree in Mathematics from Durham University in 1992, and she holds an MSc and a Doctorate in Public Health both from the London School of Hygiene and Tropical Medicine.

Panel 3: AI Ethical Guidelines: How does this apply to Healthcare?



Name

Sybo Dijkstra

Title

COCIR AI in Health Task Force Vice-Chair and Head of Data Strategy & AI at Philips Research

Organisation

COCIR / Philips

Sybo Dijkstra is Head of Data Strategy and AI in Philips where he coordinates activities and efforts on data strategy and Artificial Intelligence in Healthcare and Personal Care.

Recently he was responsible for Philips Research UK in Cambridge, where research programmes in Oral Healthcare, Home Healthcare and Chronic Disease Management are being conducted in close relations with leading universities and institutes.

Within Philips Research, Sybo Dijkstra has been one of the drivers for Digital Health Innovation, where intelligent analysis of data of various sources should lead to new healthcare insights for improving patient outcomes.

Prior to joining Research, he was responsible for the marketing and strategy of the Philips Healthcare Informatics business, during which period Philips made significant steps in becoming a worldwide leader in clinical informatics solutions.

He is currently acting as Vice-Chair of the Artificial Intelligence in Health Task Force at COCIR.

Panel 3: AI Ethical Guidelines: How does this apply to Healthcare?



Name

Patrice Chazerand

Title

Member of the Scientific Committee

Organisation

AI4People

Patrice Chazerand is Director, Policy at DIGITALEUROPE since 2010. He was invited to join the Scientific Committee (SC) of AI4People in November 2017. Together with the other twelve members of the SC and under the chairmanship of Professor Luciano Floridi, he has co-authored the paper “AI4People – An Ethical Framework for a Good AI Society: opportunities, risks, principles and recommendations”

Patrice Chazerand was the Secretary-General of the Interactive Software Federation of Europe (ISFE), the trade body of PC and videogames publishers operating in Europe between 2002 and 2009. In this capacity he has established PEGI, the only pan-European system of harmonised rating of digital content.

In 1999, Patrice Chazerand set up the Brussels office of Viacom which he ran as Vice President, European Affairs until 2002. From 1989 to 1995, Patrice Chazerand was Director, Public Affairs, at AT&T France, and subsequently Managing Director from 1995 to 1999.

Patrice Chazerand spent the first fifteen years of his career with the French Ministry of Foreign and European Affairs, seven of which at the Embassy of France to the US in Washington DC.

Patrice Chazerand graduated from HEC (1972) and Sciences Po Paris (1974).

Closing Keynote: European Commission Vision on how AI could contribute to Sustainability of Health Systems



Name

Martin Seychell

Title

Deputy Director-General

Organisation

DG SANTE, European Commission

A graduate in chemistry and pharmaceutical technology, Mr. Martin Seychell specialized in Chemical analysis. He has held important positions on several government boards and commissions in Malta, including the Food Safety Commission and the Pesticides Board.

Mr Seychell occupied the post of Head of Directorate at the Malta Standards Authority between 2001 and 2006. He has been responsible for the implementation of a number of EU directives in the areas of risk assessment, food safety, chemicals and cosmetic products legislation, and has actively participated in negotiations on major technical proposals such as the new chemicals legislation, REACH, and in screening processes in the areas of free movement of goods, environment and agriculture during the process leading to Malta's accession to the EU.

He held the post of Director of Environment in Malta between 2006 and 2011. As Director, he was responsible for a broad range of functions arising from the Maltese Environment Protection Act.

Martin Seychell was appointed Deputy Director-General for Health and Consumers at the European Commission in March 2011. Responsible for directorates dealing with Consumer affairs, Public health and Health systems and products (SANCO), and since 2014 to date Deputy Director-General for Health in the Health and Food Safety Directorate-General (SANTE).

Closing Remarks



Name

Nicole Denjoy

Title

Secretary General

Organisation

COCIR

Nicole Denjoy is the COCIR Secretary General since 2005 and is based in Brussels.

She has gathered more than 30 years of experience in the medical technology industry, working for companies including L' Air Liquide, Ohmeda, Boston Scientific and Baxter. Nicole has a Masters in Organisation and Change Management.

Nicole represents COCIR in a variety of influential fora at European Level as well as at international level. Nicole is also Chair of DITTA, the Global Trade Association representing Medical Imaging, Radiation Therapy and Healthcare IT Industry (www.globalditta.org) and leads the DITTA Industry activities in official relationships with WHO since DITTA was granted a NGO status. In addition and since May 2010, Nicole is Chair of the BIAC Committee on Healthcare Policy representing the private business sector in front of the OECD Health Committee.