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Autore	Hounkonnou Mahouton Norbert
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Nota di contenuto	Intro -- Preface -- Contents -- List of participants -- Webinar booklet and talks -- Organizers and Technical supporting team -- COVID-19 Vaccination hesitancy in black Americans: need for trusted voices explaining justified concerns -- Artificial intelligence and finite element methods in modeling of COVID-19 -- An architecture for verified medical data distribution employing blockchain technology -- COVID-19 and intensive medicine in developing countries: critical cares management during a sanitary crisis -- Response to COVID-19 pandemic: Lessons from science academies in Africa -- Normal science and the hidden lemmas of mathematical epidemiology - mathematical modeling of COVID-19 -- Mathematics, the pandemic and complex systems -- A new class of non-associative algebras with genetic realizations -- Modelling COVID-19 dynamics in the sixteen West African countries -- ML ANN model of COVID-19 - the case of Serbia -- Dynamics of COVID-19 pandemic - control problem and equilibrium stability characterization -- Knowledge status and potential impact of socio-economic factors on the spreading of COVID-19 in West African countries -- Risk estimate of COVID-19 spread between poverty clusters in Africa using Markov chain modeling -- Disease testing, naive heuristics and evolutionary psychology -- Privacy-preserving contact tracing -- Did passenger air traffic significantly influence the spread of COVID-19 in the World? -- Artificial intelligence and digital

technologies in digitally-supported university education.

Sommario/riassunto

The International Chair in Mathematical Physics and Applications (ICMPA - UNESCO chair), University of Abomey-Calavi, Benin, and the Center for Applied Mathematics of the Faculty of Mechanical Engineering Niš, CAM-FMEN, organized a webinar on Mathematics for human flourishing in the time of COVID-19 and post COVID-19, 21 October 2020, supported by the City of Niš. The objectives of the webinar were to give precise information about the work that scientists do to cure the disease, to push forward technology, to understand our society and create new expressions of humanity, and to question the role of mathematics in the responses to this pandemic.