

**7th INTERNATIONAL CONFERENCE ON COMPUTATIONAL
AND EXPERIMENTAL SCIENCE AND ENGINEERING
(ICCESEN-2020)**

21-25 October 2020, ANTALYA-TURKEY

Teslian Information-Telecommunication and Energy-Technological Paradigm

Sobodan NEDIC

University of Novi Sad-SERBIA

Abstract

More than a century after the Tesla's warning that the advances in electromagnetism and physics at the time, and the ensued technologies might have just been superfluous appearances of the much deeper and fundamental phenomena, the prevailing and dominant information-telecommunicating methods and practices rely heavily on ever increasing energy consumption, while the technology of energy extraction becomes environmentally unsustainable and the advanced technological processes has still been missing the capabilities of truly 'clean', let alone monopolistically free 'optionalities'.

Within the socio-political development of science and technology through the matrix of their respective relationships to observational Illusions and Truthfulness, the unfortunately still uncompleted "Copernican Revolution" comes as the most prominent example for effectiveness of the truthful and reality-based developments. Yet, in spite of the Kepler's heroic and the epoch-making achievements, the essentially deficiently founded orbital mechanics by Newton, Maxwell, Einstein, etc. (resulting in: conservativeness, symmetry, entropysm, predictability or stochasticity, multi-dimensionality, utilitarianism, tautology and contradictions, and perpetuity of the 3rd kind) instead of what should have lead through Descartes, Leibniz, Boscovich, etc. (with all the above attributes – to the opposite: non-conservativeness, asymmetry, morphysm, unpredictable determinism, multi-scaledness, truthfulness, decidedness and consistency, and the 'modified' perpetuity of the 1st and 2nd kinds) despite the remarkable techno-economical success in the last few centuries, has become the biggest obstacle to further socio-technological, and the overall civilizational advancements. This first of all in many ways relates to the currently very much actualized impact of the rather 'primitive' explosion- and/or fossil fuel (oil and coal) burning-based technology on the environment pollution and the Earth's climate warming, whereby the clean and let alone 'free' energy production options are completely out the sight, actually – 'forbidden'. Although the notably incomplete and ill-founded orbital mechanics hardly could have found astronomically properly enough determined mechanisms of the Milanković's like climate cycles, the presence of CO₂ in Antarctica ice-deposits was wrongly taken as the cause of the warming climate epochs in spite of up to nine centuries of lagging of its concentration cycles compared to the geologically and biologically established ones. Yet, ironically enough, this opens the chance for the 'politically motivated' paradigmatic science & technology breakthroughs, including indeed clean and even 'free' energy (from doubled efficiencies by avoiding Lenz's effect through conductors cutting through the two counter-directed magnetic fields – which on itself not only can halve the amount of coal burned for the same energy production as currently is the case, and thus complying with the

**7th INTERNATIONAL CONFERENCE ON COMPUTATIONAL
AND EXPERIMENTAL SCIENCE AND ENGINEERING
(ICCESEN-2020)**

21-25 October 2020, ANTALYA-TURKEY

expectations/requirements imposed the EU, but in the suitable (golden-ratio based) generator-motor coupling can obviate any need for the externally applied torque, to Tesla's MT Ether energy-pump and the TESTATIKA-like 'free-energy' extraction).

While the locally 'generated' energy production/extraction largely obviates the Tesla's initially intended wireless energy transmission (conventional near-field effect), on the plan of the wireless telecommunications the synergy of energy transmission and telecommunications based on longitudinal and/or scalar waves appears as only viable way to truly attain the ambitious trends of ever decreasing energy consumptions par bit of transmitted information, as well as reduced latency – with possibly other issues related to the humans health related issues, other that GHz bands related.

'Energy-tailored' computational architectures without the steady appliance of Vcc voltage and the corresponding current drain becomes the key to energy-efficient computing, while abandoning the totally untenable Einstein's second postulate can open road towards fully optical multiplexers, Routers and Synchronizers, to mention just a few of the development prospects/ideas which if be supplied to whatever R&D projects, national or the EC-related, would be considered unacceptable.

✉ *Corresponding Author Email* : *nedic.slbdn@gmail.com , nedics@uns.ac.rs*