Abstract Submitted
for the MAR15 Meeting of
The American Physical Society

Prof. Jakob Narkiewicz-Jodko's Discoveries and his Laboratory VLADIMIR SAMUILOV, State University of NY at Stony Brook, LARISSA SAMUILOVA, Department of Mathematics, SCCC — Prof. Jakob Narkiewicz-Jodko (1947–1905) major discoveries are: Electrography – the method of the visualization of electric discharge from the bodies due to the application of high strength and high frequency electric fields [3,4], and the first observation of the propagation of the electromagnetic waives for information transfer over the distances [5,6]. They were made in his laboratory located at his manor home Nadniemen. We describe these experiments and the Lab equipment used for the discoveries. Unfortunately the Nadniemen manor designed and built in Neogothic style was destroyed at the WWII. Our goal is to restore the Lab of Prof. Jakob Narkiewicz-Jodko as a museum. We also introduce our hypothesis regarding architectural design of the manor home Nadniemen. [1] Decrespe M. La vie et les oeuvres de M. de Narkiewicz-Iodko, member et collaborateur de l'Institut imperial de medecineexperimentale de Saint-Petersbourg, member of correspondent de la Societe de Medecine de Paris, etc./ Marius Decrespe.- Paris, Chamuel, 1896, 51p. [2] Annalen der Physik.- Leipzig, 1896. – Bd 293, 132 [3] Electrography// The Photographic news for amateur photographers.- 1896.- vol. 40, p.450 [4] Maack F. Elektrographie. Mit besonderer Berucksich-tigung der Versuche Narkiewicz-Jodko/ Ferdinand Maack// Wissenseschaltliche Zeitschrift. . . – 1898.- Bd 1, 1, 8-22; -1898.- Bd 1, 2/3, 89-99. [5] Séances de la societe francaise de physique/ Societe francaise de physique. – Paris, 1898, p. 77-79. [6] Present condition of wireless telegraphy// Consular reports: Commerce, manufacturers, etc. of their consular districts. Bureau of Foreign Commerce of United States.- Washington 1901, v.66. p. 44.

Vladimir Samuilov
Dept of Materials Science and Engineering, Sensor CAT,
State University of New York at Stony Brook,
Stony Brook, NY 11794-2275, USA

Date submitted: 14 Nov 2014 Electronic form version 1.4