

PROGRAMME

June 27, 2006, Tuesday-afternoon

14:00 - 19:00	Registration – (Croatian Academy of Engineering - HATZ, 28 Kačić St.)
19:00 - 21:00	Welcome Party – (Technical Museum, Zagreb, 18 Savska St.)

June 28, 2006, Wednesday – morning (Concert Hall «Vatroslav Lisinski», 4 Stjepan Radić Sq., Zagreb)

08:00 - 09:00	Registration
09:00 - 09:45	Opening Ceremony
09:45 - 10:30	“Nikola Tesla: scientist, engineer, inventor” - H.K. Forsen, Ph.D. – National Academy of Engineering, USA
10:30 - 10:45	“Ericsson Nikola Tesla: Following Tesla’s Vision” - Carl - Henric Svanberg, President and CEO Ericsson, Sweden
10:45 - 11:15	“Tesla’s time and application of his achievements in the future” - K. R. Richter, Ph.D. , Prof. Emer., - Technical University of Graz, Austria, Hon. Mem. HATZ
11:15 - 11:45	“Some recent recognition of pioneering role of Nikola Tesla in the development of Radio” - A. Marinčić Ph.D. - Serbian Academy of Sciences and Arts, Serbia and Montenegro
11:45 - 12:00	Coffee break
12:00 - 12:15	“Nikola Tesla and KONČAR Group” – S. Car, Ph.D. – KONČAR – Electrotechnical Institute Inc.
12:15 - 12:30	“European power systems interconnection” - Ivica Toljan, M.Sc. - HEP Inc. - CIGRÉ
12:30 - 12:45	MOVIE produced by HEP Inc. “Development of the Electric Power System in Croatia”
12:45 - 13:45	RECEPTION

Temporary programme

THE VISIONS AND WORK OF NIKOLA TESLA: TODAY AND TOMORROW

June 28, 2006, Wednesday (Ministry of Economy, Labor and Entrepreneurship of the Republic of Croatia, 78 Vukovar St., Zagreb)

PATENTS

14:30	Milović, T.: NIKOLA TESLA'S PATENTS – ESSENCE OF PATENT PROTECTION SHOWN IN THE EXAMPLE OF NIKOLA TESLA'S PATENTS
15:00	Moser, J.: TESLA'S PATENTS IN THE FIELD OF ELECTRIC POWER
15:20	Sekso Telento, A.: CROATIAN VIEW ON QUARREL TESLA – FERRARIS AND ROLE OF PATENTS IN IT
15:40	Petković, T.: TESLA'S INVENTIONS IN THE FIELDS OF PHYSICS AND ELECTROTECHNICS AND HIS ENGINEER INTUITIONS
16:00	Valenta, A.: TESLA'S WORKS ABOUT TESLA IN CROATIAN LIBRARIES, SEARCHABLE VIA ONLINE CATALOGUE
16:20	Discussion
16:30	<i>COFFEE BREAK</i>

ELECTRIC MACHINES AND DRIVES and POWER SYSTEMS AND TRANSMISSION

16:45	Jeszenszky, S.: FIRST STEPS OF A GLORIOUS SCIENTIFIC CAREER – TESLA IN BUDAPEST
17:00	Mrvoš, D.: Mucko, D., Aviani, I., THERMO-MAGNETIC MOTOR
17:15	Sekso Telento, A.: THE “BATTLE OF CURRENTS” FROM EDISON AND TESLA TILL NOW
17:30	Majstrovic, M., Majstrovic, G., Bajs, D., Sarajcev, P.: VOLTAGE AND CURRENT ANALYSIS OF PHASE DISCONNECTION OF DOUBLE CIRCUIT OVERHEAD LINE
17:45	Kuzmanovic, B., Ferkovic, L.: MELTING AND HEATING OF METALS IN ELECTROMAGNETIC FIELD
18:00	Meyl, K.: REPRODUCTION OF THE SCALAR WAVE EFFECTS OF TESLA’S WARDENCLYFFE TOWER
18:15	Discussion

June 29, 2006, Thursday (Ministry of Economy, Labor and Entrepreneurship of the Republic of Croatia, 78 Vukovar Street, Zagreb)

COMMUNICATIONS

09:00	Huljenic, D., Desic, S.: NIKOLA TESLA FROM THE ASPECT OF COMMUNICATION
09:15	Desic, S., Huljenic, D., Vrljka, V.: INNOVATION MANAGEMENT AS A BASE FOR SUCCESSFUL DEVELOPMENT
09:30	Podhradsky, P.: EVOLUTION TRENDS OF THE CONVERGED NETWORKS AND NEXT GENERATION NETWORKS
09:45	Poljak, D., Doric, V., Blazevic, Z.: MODELINF OF TESLA'S TRANSMITTER USING THE ANTENNA THEORY APPROACH
10:00	Milicic, P.: THE FUNDAMENTAL SYSTEM OF RADIO COMMUNICATION – INVENTION OF RADIO
10:15	Zovko Cihlar, B.: FROM TESLA’S INVENTIONS IN THE FIELD OF RADIOCOMMUNICATIONS TO DIGITAL BROADCASTING FOR MULTIMEDIA SERVICES
10:30	Blazevic, Z., Poljak, D., Cvetkovic, M.: SOME NOTES ON TRANSMISSION LINE REPRESENTATIONS OF TESLA'S TRANSMITTERS
10:45	Hadzialic, M., Hadziahmetovic, N., Ahic-Dokic, M.: AN ASPECT OF RADIO CHANNEL MODELING SUITABLE FOR ESTIMATION OF FADING PARAMETERS
11:00	Mustafic, A., Behlilovic, N., Hadzialic, M., Vucinic A.: APPLICATION OF ADVANCED ENCRYPTION STANDARD IN VIRTUAL PRIVATE NETWORKS IMPLEMENTATION
11:15	Hadzialic, M., Behlilovic, A., Sarajlic, A., Begovic, P.: INFLUENCE OF PATH LOSS MODELS ON ERROR PROBABILITY IN GAMMA SHADOWED NAKAGAMI-M FADING

CHANNEL

11:30 Discussion

11:45 *COFFEE BREAK*

FREE TOPICS

12:00 Jakobović, Z.: **TESLA'S HF CURRENTS IN ELECTROTHERAPY**

12:15 Martinis, M.: **TESLA AND MEDICINE**

12:30 Musić, M., Ahić – Džokić, M., Mušić, O.: **MODULATION OF ULTRASONIC SIGNAL IN VORTEX STREET OF FLUID**

12:45 Moser, J.: **COLORADO SPRINGS NOTES OF NIKOLA TESLA**

13:00 Filipi, M.: **NIKOLA TESLA AND THE SOCIAL ENVIRONMENT IN WHICH HE LIVED**

13:15 Discussion

15:00 **Departure for Smiljan by bus, visit to the birth house of Nikola Tesla
(arrival to Zagreb around 22:00)**