ZAKOPANE POLAND
Wire and Cable Manufacturing Technologies
10 – 12 October, 1999

1999 INTERNATIONAL TECHNICAL CONFERENCE PROCEEDINGS

The Wire Association International, Inc.
1570 Boston Post Road, P.O. Box 578
Guilford, CT 06437-0578 USA

These proceedings partly financed by the Polish Committee of Scientific Research.
Wydanie dofinansowane przez Polski Komitet Badan Naukowych.
"Determining the drawing tension on the base of the wire springing after the drawing process” by Fryderyk Knap and Robert Kruzel, Czestochowa Technical University, Poland.

"Effort and fracture of wire in the drawing process," by Bogdan Golis, Jan W. Pilarczyk, Henryk Dyja, Zbigniew Blazejowski and Zbigniew Muskalski, Czestochowa Technical University, Poland.

"Effect of the manufacturing process of round steel ropes for wire properties,” by Szymon Salomon, Bogdan Golis, Jan W. Pilarczyk and Zbigniew Muskalski, Czestochowa Technical University, Poland.

"Planning of process management in wiredrawing plants and in the wire products industry,” by Bogdan Golis, Zbigniew Muskalski, Henryk Dyja, Jaroslaw Markowski and Marcin Knapiński, Czestochowa Technical University, Poland.

"Effect of descaling methods of wire rod on surface texture of drawn wires,” by Zbigniew Smolarczyk, Duostal, Poland.

"Pro-ecological technology of wire production," by Marek Burdek and Wojciech Szulc, Institute for Ferrous Metallurgy and Janusz Luksza, University of Mining and Metallurgy, Poland.

"Forecasting tensile strength growth at steel spring wires during process,” by Kazimierz Oskędra and Jerzy Herian, Silesian Technical University, Poland.

"The effect of the steel wiredrawing process on the wire surface layer,” by Stanislaw Tkaczyk, Silesian Technical University, Poland.

"Relationship between tensile strength and torsion of a steel wire rope under different operational states in an Indian mine," by M. K. Singh, Central Mining Research Institute, India.

"Residual ductility of pre-drawn steel wire," by Etienne Aernoudt, Katholieke Universiteit Leuven, Belgium.

"Combined rolling and drawing square bars," by Tomasz Oczkowicz, Silesian University of Technology, Poland.

"Wire processing machinery for mesh, fences, springs and forming parts in central Europe," by Vladimir Mravec, Nova-S a.s., Slovakia.

"Flow control of mechanical properties of steel wires using the recrystallization condition," by Miroslav Olszar ZDB a.s., Bohumin, Czech Republic.

"Modulus of elasticity of wire winding ropes," by Jan Hankus, Główny Institute Górnictwa, Poland.


"The influence of friction conditions on widening of flattened steel cold-rolled wires," by Jerzy Herian and Kazimierz Oskędra, Silesian Technical University, Poland.


"Methods of testing and criteria of estimation of technological lubricants used in the drawing process," by M. Gierzyńska-Dolna, Czestochowa Technical University, Poland.


"Some aspects of drawing thin shape wires from high alloy steel," by Andrzej Skołyszewski, Janusz Luksza and Marek Paiko, University of Mining and Metallurgy, Poland.
Monday, 11 October, 1999
Nonferrous/Electrical Session, 9:00 – 13:00 and 15:00 – 19:00
Moderators: Henryk Dyja and Zbigniew Smieszek

“Development of technology for fine gold wire,” by Zbigniew Rdzawski and Wojciech Gluchowski, Institute of Nonferrous Metals, Poland.

“Bimetallic FeNi42-Cu Wire,” by Wieslaw Kazana, Stanislaw Ksiezarek and Bronislaw Besztak, Institute of Non Ferrous Metals, Poland.

“High voltage power cable,” by Philippe Letout, Pourtier, France.

“Wires from silver, silver alloys and copper alloys obtained by continuous casting,” by Stanislaw Ksiezarek, Bronislaw Besztak, Zbigniew Smieszek, Stefan Fryda, Krzysztof Durst, Andrzej Przybysz and Janusz Dziemianko, Institute of Non Ferrous Metals, Poland.

“Development of the market and the production technology for Cat 6 and Cat 7 LAN cables (and higher up to 1.2 GHz),” by Alfred Schöfberger, KU-KA-MA Kunststoff- und Kabelmaschinenbau, Austria.

“Microhardness and plastic flow investigations of bimetallic rod for drawing,” by Leonid Lesik, Henryk Dyja, Jan W. Pilarczyk and Sylwia Wiewiórowska, Czestochowa Technical University, Poland.

“Heat and mechanical treatment of wires from the AlMgSi alloys designed for power transmission lines,” by Juliusz Senderski and Andrzej Klyszewski, Institute of Non-ferrous Metals, Poland.

“Ironing with superimposed force,” by Zlatko Kampuš, Faculty of Mechanical Engineering, Slovenia.

“Development of the production technology of profiles extruded from AlMgSiO,5 alloy in 40 years history of ZML at the Kęty S.A. Extrusion Plant,” by Zygmunt Stec and Andrzej Hajto, Zaklady Metali Lekkich, Kęty S.A., Poland.

“Continuous improvements through selective investments at the Cedymin rod mill in Orsk,” by Zygmunt Woźny, KGHM Polska Miedź SA Division Copper Rod Mill, Poland.