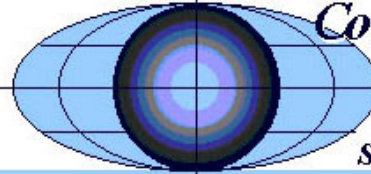


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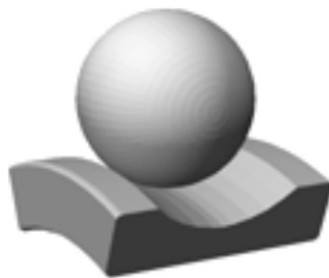
Sept. 03 - 07

VIENNA

2001

2nd AIMETA

International Tribology Conference



THURSDAY, 06 SEPT 2001, MORNING, Session Room I:

08:40 Session 81-1: 2nd AIMETA Int. Tribology Conference

Micro/nanoscale Tribology of MEMS Materials, Lubricants and Devices (Paper No: 938)
BHUSHAN B., The Ohio State University, Columbus (USA).

Non-Contact Friction Force Microscopy Exploiting Lateral Resonance Enhancement (Paper No: 901)
LABARDI M., University of Pisa, Pisa (I); ALLEGRINI M., University of Messina, Messina (I).

Responses of Tricresyl Phosphate in Different Lubricating Systems (Paper No: 905)
AREZZO F., Centro Sviluppo Materiali, Roma (I).

Micro-Tribology of Dry and Lubricated Journal Bearing Coatings (Paper No: 902)
BASSANI R., CIULLI E., Università di Pisa, Pisa (I); LABARDI M., University of Pisa, Pisa (I); ALLEGRINI M., University of Messina, Messina (I).

Surface Morphology of Low Carbon Steel Oxygen Assisted Laser Cutting (Paper No: 931)
CAIAZZO F., PASQUINO R., SERGI V., University of Salerno, Fisciano - Salerno (I).

THURSDAY, 06 SEPT 2001, MORNING, Session Room I:

11:00 Session 81-3: 2nd AIMETA Int. Tribology Conference

Elastohydrodynamic Lubrication Analysis of Cylindrical-Conical Surfaces Contact (Paper No: 928)
RAPARELLI T., Technical School of Turin, Torino (I); ZOBEL P., DURANTE F., University of L'Aquila, Buttrio (UD) (I).

Numerical Analysis of the Soft-EHL in a Slider Bearing with a Rubber Part (Paper No: 924)
COLOMBO G., PRATI E., University of Parma, Parma (I); ONDRUSCHKA B., FSU Jena, Jena (D).

Experiments on the Behaviour of Thrust Bearing Pivoted Pads (Paper No: 921)
BASSANI R., CIULLI E., Università di Pisa, Pisa (I); FORTE P., University of Pisa, Pisa (I).

Self-Regulating Hydrostatic Platform (Paper No: 936)
BASSANI R., Università di Pisa, Pisa (I); LORENZETTI M., University of Pisa, Pisa (I).

Study of Slot-Controlled Pistons on Air-Bearings for Pneumatic Actuators (Paper No: 929)
BELFORTE G., Polytechnic of Turin, Technical University, Torino (I); RAPARELLI T., Technical School of Turin, Torino (I); MAZZA L., TRIVELLA A., Polytechnic of Turin, Technical University, Torino (I).

THURSDAY, 06 SEPT 2001, AFTERNOON, Session Room I:

14:20 Session 81-5: 2nd AIMETA Int. Tribology Conference

Flow of an Electrorheological Fluid in Small Clearances (Paper No: 911)
CAPRIZ G., DEGLI AZZONI V., Università di Pisa, Pisa (I).

Full-Floating Bearings for High-Speed Spindles (Paper No: 906)
MOTTA A., MOTTA M., POLI M., Institute of Industrial Technologies and Automation (ITIA) CNR, Milano (I).

Neural Networks for Predicting Tribological Experimental Results (Paper No: 903)
GIMONDO P., CASADEI F., TULUI M., Centro Sviluppo Materiali, Roma (I); BELFIORE N. P., De STEFANI G., University of Rome "La Sapienza", Roma (I).

Synthesis of a Fluid Journal Bearing Using a Genetic Algorithm (Paper No: 916)
MANFREDINI A., VIGNI P., University of Pisa, Pisa (I).

Lubricated Rolling-Sliding Behaviour in Ion Nitrided and Untreated Ti-6Al-4V (Paper No: 907)
STRAFFELINI G., ANDRIANI A., TESI B., MOLINARI A., University of Trento, Trento (I); GALVANETTO E., University of Florence, Firenze (I).

THURSDAY, 06 SEPT 2001, AFTERNOON, Session Room I:

16:40 Session 81-7: 2nd AIMETA Int. Tribology Conference

Lubricated Bodies of Different Materials in Mixed Lubrication Regime Conditions (Paper No: 920)
BASSANI R., CIULLI E., Università di Pisa, Pisa (I); LORENZETTI M., University of Pisa, Pisa (I).

Tyre/Road Friction (Paper No: 935)
LA TORRE F., RINDI A., University of Florence, Firenze (I).

Adherence Models for Wheel/Rail Contact in Railways (Paper No: 932)
ALLOTTA B., MALVEZZI M., TONI P., University of Florence, Firenze (I).

Surface Profilometry Studies in Rolling/Sliding Wear Tests (Paper No: 930)
RIPA M., TOMESCU L., STOICA V., University "Dunarea de Jos" of Galati, Galati (RO); PREDA A., UZINSIDER Engineering of Galati, Galati (RO).

THURSDAY, 06 SEPT 2001, MORNING, Session Room K:

08:40 Session 81-2: 2nd AIMETA Int. Tribology Conference

Wheel-Rail Contact: Wear Effects on Vehicle Dynamic Behaviour (Paper No: 942)
DIANA G., BRUNI S., BRAGHIN F., Politecnico di Milano, Milano (I).

Updating of State-of-the-art on Lubrication Couples in High Performance Internal Combustion Engines (Paper No: 913)
RIGHES G., GARRO A., Fiat Research Centre, Orbassano (I); CALDERALE P. M., Polytechnic of Turin, Technical University, Torino (I).

Elastohydrodynamic Analysis of a Connecting Rod Bearing for High Performance Engines (Paper No: 912)
STEFANI F., REBORA A., University of Genova, Genova (I).

Interdisciplinary Structure and Lubrication Analysis in High Performance Engines: The Case of Con Rod / Pin / Piston System (Paper No: 914)
RIGHES G., GARRO A., Fiat Research Centre, Orbassano (I); CALDERALE P. M., Polytechnic of Turin, Technical University, Torino (I).

THURSDAY, 06 SEPT 2001, MORNING, Session Room K:

10:40 Session 81-4: 2nd AIMETA Int. Tribology Conference

A Piston Assembly Friction Losses Model as Mechanical Efficiency Improvement Tool (Paper No: 922)
D'AGOSTINO V., GUIDA D., RUGGIERO A., SENATORE A., University of Salerno, Fisciano - Salerno (I).

Dry Sliding Wear of a Al-Si Alloys against an Electroplated Hard Chromium Coating (Paper No: 925)
CESCHINI L., LANZONI E., SAMBOGNA G., University of Bologna, Bologna (I); CORDONI M., Fiat Research Centre, Orbassano (I).

Tribological Characterisation of Impregnated Ceramic Layers for Automatic Packing Machines Applications (Paper No: 915)
COSTA E., MIOZZA V., RICCIARDELLI R., CERMET S.cons.r.l., Cadriano (I).

Perspectives for Tribological Applications of Titanium Coatings Containing Ti_xNy Phases, Deposited by Reactive Plasma Spraying (Paper No: 904)
CASADEI F., GIMONDO P., TULUI M., Centro Sviluppo Materiali, Roma (I); VALENTE T., University of Rome "La Sapienza", Roma (I).

The Effects of the Hardening Phases in the wear Behaviour of the Sn Babbits (Paper No: 927)
PREDA A., LEVCOVICI D. T., MUNTEANU V., STANCIU C., UZINSIDER Engineering of Galati, Galati (RO); RIPA M., University "Dunarea de Jos" of Galati, Galati (RO).

THURSDAY, 06 SEPT 2001, AFTERNOON, Session Room K:

14:00 Session 81-6: 2nd AIMETA Int. Tribology Conference

Tribological Characterisation of Components for Hydraulic Applications (Paper No: 917)
COSTA E., MIOZZA V., RICCIARDELLI R., CERMET S.cons.r.l., Cadriano (I).

On the Dynamic Behaviour of Rotors: Experimental Investigation with Active Magnetic Bearings Test Rig (Paper No: 923)
D'AGOSTINO V., GUIDA D., RUGGIERO A., SENATORE A., University of Salerno, Fisciano - Salerno (I).

A Proposal for a Test Rig Based on AMB Bearings for Measuring the Dynamical Properties of a Fluid Seal (Paper No: 933)
LISINI G. G., RINCHI M., University of Florence, Firenze (I); VALIGI M. C., Università di PERUGIA, Perugia (I).

Experimental Identification of Journal Bearing Dynamic Coefficients (Paper No: 919)
FORTE P., RUSTIGHI E., University of Pisa, Pisa (I).

Identification of the Operating Parameters of Tilting Pad Journal Bearings (Paper No: 918)
BRANCATI R., PAGANO S., ROCCA E., RUSSO R., Università di Napoli "Federico II", Napoli (I).

THURSDAY, 06 SEPT 2001, AFTERNOON, Session Room K:

16:20 Session 81-8: 2nd AIMETA Int. Tribology Conference

Measurements of the Friction Properties of the Gastrointestinal Tract (Paper No: 926)
ACCOTO D., STEFANINI C., PHEE L., ARENA A., PERNORIO G., MENCIASSI A., CARROZZA M., DARIO P., Scuola Superiore Sant'Anna, Pisa (I);

Influence of an Inadequate Lubrication in the Mould and a Proposal of a Sticking Detection System (Paper No: 934)
VALIGI M. C., Università di PERUGIA, Perugia (I); ANTONELLI M., Danieli & C. Officine Meccaniche SpA, Buttrio (UD) (I).

Study of the Rolling Contact Fatigue in Lubricated Contacts (Paper No: 910)
DONZELLA G., MAZZU' A., SOLAZZI L., University of Brescia, Brescia (I).

Erosion of Ceramics: Mechanisms and Criteria (Paper No: 908)
CLERICO M., Polytechnic of Turin, Technical University, Torino (I).

Models of Erosion Analysis for Brittle and Ductile Materials (Paper No: 937)
AQUARO D., FONTANI E., University of Pisa, Pisa (I).