

**19th
International
Conference
on
Transport
&
Sedimentation
of
Solid
Particles**



**19th International Conference
on
Transport & Sedimentation
of Solid Particles**

Edited by Jerzy Sobota and Rainer Haldenwang

Papers presented
at the Nineteenth International Conference on
Transport & Sedimentation
of Solid Particles
organized by Wrocław University of
Environmental and Life Sciences, Poland
and
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**19th International Conference on
TRANSPORT AND SEDIMENTATION OF SOLID PARTICLES
24-27 September 2019, Cape Town, South Africa**

1st Conference	6-12 September 1971	Cracow-Wrocław, Poland
2nd	6-9 May 1976	Wrocław-Trzebieszowice, Poland
3rd	14-17 September 1978	Wrocław-Trzebieszowice, Poland
4th	25-28 September 1980	Trzebieszowice, Poland
5th	3-7 September 1984	Wrocław, Poland
6th	14-16 May 1988	Wrocław, Poland
7th	9-11 June 1992	Wrocław, Poland
8th	24-26 January 1995	Prague, Czech Republic
9th	2-5 September 1997	Cracow, Poland
10th	4-7 September 2000	Wrocław, Poland
11th	9-12 September 2002	Ghent, Belgium
12th	20-24 September 2004	Prague, Czech Republic
13th	18-20 September 2006	Tbilisi, Georgia
14th	23-27 June 2008	Saint Petersburg, Russia
15th	6-8 September 2011	Wrocław, Poland
16th	18-20 September 2013	Rostock, Germany
17th	22-25 September 2015	Delft, The Netherlands
18th	22-25 September 2017	Prague, Czech Republic

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WELCOME

*Ladies and Gentlemen,
Friends and Colleagues,*

The T&S conference is being held outside Europe for the first time. Leaving Europe, we arrived in South Africa to Cape Town, called the Pearl of Africa. From a historical point of view the visit of the conference to Cape Town seems obvious, as delegates from the Cape Peninsula University of Technology, Paterson & Cooke and the CSIR were often conference participants.

Our previous conferences were attended by well-known specialists in the fields of hydraulic transport and rheology of mixtures, who unfortunately are no longer with us. Our memories return often to Cliff Shook, Jack Richardson, Kenneth Wilson, Ed Wasp, Wolfgang Wiedenroth and Włodzimierz Parzonka. I think we can be satisfied that the most outstanding specialists in the field of hydraulic pipeline transport participate in our conference, and that our work is evaluated by them. Their works too, very often leading in the subject, are presented at the T&S conference.

Unfortunately, in many countries now there is a decrease in spending on pipeline transport of mixtures. There are many reasons for this, even though it is the most environmentally friendly type of transport. Perhaps during this conference, the answer to this question will be found.

In two years time, 2021, the 20th T&S conference will take place, marking 50 years from the inaugural conference in 1971. It will return to its place of origin, Wrocław in Poland. I invite everyone to Wrocław to take part in the jubilee 20th International Conference on TRANSPORT AND SEDIMENTATION OF SOLID PARTICLES.

Ladies and gentlemen, dear friends and colleagues,

I have great hopes, at least as great as the Cape of Good Hope, that the 19th T&S conference will meet the expectations of all participants. I wish you unforgettable impressions from your stay in Cape Town

*Jerzy Sobota
Chairman of the Organizing Committee*

On behalf of the Cape Peninsula University of Technology and the organising committee, with members from co-hosts Paterson & Cooke and the University of Stellenbosch, we welcome you to the Granger Bay Hotel School Campus. May both the conference and your visit to our mother city be a memorable one.

*Rainer Haldenwang
Chairman T&S19*

September, 2019

Technical sessions of the conference:

- Two-phase and multiphase flow, Newtonian and non-Newtonian flow
- Designing, optimization and operation of hydrotransport systems, wear, pumps and valves
- Sediment transport in rivers and water reservoirs, hydraulic storage of tailings and ash, sedimentation and thickening
- Methods and techniques of measurement, instrumentation for laboratory and industrial systems

Photo gallery from T&S18, Prague, 2017



TABLE OF CONTENTS

HYDRAULIC CONVEYING I

Deposition of wide size distribution, Bingham plastic slurries in turbulent pipe flow <i>Allan Thomas</i>	15
Pipe loop testing of a mixture containing fine, dense solids with magnetic properties <i>J. Furlan, R. Visintainer, A. Sellgren V. Matoušek L. Pullum</i>	23
Evaluation of local turbulent support of particles in intense transport of contact load <i>Václav Matoušek and Štěpán Zrostlík</i>	31

HYDRAULIC CONVEYING II

Centre of concentration in particle-bearing liquids <i>Trevor Jones and Jeyakumar Ganeshalingam</i>	39
The design of hydro-transport systems to facilitate sustainable industrial practice <i>Paul Slatter</i>	47
The Kachkanarsky MCC iron ore processing tailings slurry hydraulic transport parameters <i>Victor Alexandrov, Inna Trufanova</i>	57

HYDRAULIC CONVEYING AND CASE STUDIES

Operation of gravitational hydrotransport pipeline systems in coal mines <i>Grzegorz Stozik & Rafał Jendruś</i>	67
Evaluation of modelling methodologies to simulate placement of dredge material: a case study <i>Gerhardus Diedericks, Francois Smit, João Lencart e Silva</i>	75
Prediction of pressure drop and optimization of operational pipe flow parameters for hydraulic transportation of concentrated iron ore fines slurry <i>Pradipta Kumar Senapati, Jayanta Kumar Pothal, Rashmiranjan Barik, CBN Ronee Pradhan, Rajan Kumar & Suddhasatwa Basu</i>	83
Review of frictional pressure gradient reduction for horizontal laminar pipe flow of non-Newtonian slurries with gas injection <i>Nigel Heywood</i>	93

DREDGING AND FITTINGS LOSSES

Scale laws for spillage in cutterheads in dredging <i>Sape A. Miedema, Cees van Rhee & Bas J. Nieuwboer</i>	103
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Non-Newtonian fluids discharge through circular and square orifices from a tank <i>Morakane Khahledi, Rainer Haldenwang, Veruscha Fester, Raj Chhabra</i>	113
Prediction of frictional losses in slotted sieves <i>Artur Bartosik, Tomasz Wojtyniak</i>	121
Effect of round orifice aspect ratio on non-Newtonian fluid discharge from tanks <i>Tsepang Mohajane, Morakane Khahledi, Rainer Haldenwang, Veruscha Fester, Raj Chhabra</i>	129
 HYDRAULIC CONVEYING III	
The effect of longitudinal slope on solids transport and friction in particle-laden flow above stationary deposit in pipe <i>Milica Jovanović and Václav Matoušek</i>	137
The effect of entrained micro-bubbles of air on slurry pipeline flow behaviour and design <i>Allan Thomas, Stuart Whitton and Norman Cowper Jnr</i>	145
Investigation of pressure variation in long distance slurry pipeline through transport cycle <i>Jianxin Xia, Huatang Ren, Yu Fu</i>	153
Anomalous pressure drop in settling slurry flow through pipe of mild negative slope <i>Václav Matoušek, Jiří Konfršt, Jan Krupička, Pavel Vlasák</i>	161
 INSTRUMENTATION	
Location of bed interface in settling slurry pipe flow using ERT <i>A Adler, A Sutherland and R Kotze</i>	169
Experimental investigation of velocity distribution inside invert trap using 2D PIV method <i>Salman Beg, Sandeep Bhaskar, Mohd Mohsin and Deo Raj Kaushal</i>	177
SOFT SENSING with ECT in Particulate Transport with Focus on Bubble Characterization <i>Ru Yan, Roshan Sharma, Håkon Viumdal, Saba Mylvaganam</i>	185
Some aspects of using electro – diffusion method for diagnostics of kinematic structure of solid – liquid flow in pipelines <i>V. Berman, S. Kril, P. Vlasak, E. Bournaski</i>	195
 PNEUMATIC-HYDRAULIC CONVEYING	
What do pneumatic conveying and hydraulic conveying have in common? <i>H. Kalman, D. Portnikov, O.G. Gabrieli and N.M. Tripathi</i>	203
Experimental study on particle velocity and acceleration length in pneumatic and hydraulic conveying systems <i>Nir Santo, Dimitry Portnikov and Haim Kalman</i>	211
Deration of Centrifugal Pumps for non-Newtonian Slurries <i>Nigel Heywood and Paul Slatter</i>	219

Local concentration distribution of settling slurry flow in inclined pipe sections <i>Pavel Vlasak, Zdenek Chara, Vaclav Matoušek, Mikolas Kesely, Jan Krupicka, Jiri Konfrst</i>	229
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MODELLING I

Numerical prediction of the impact erosion produced by dense slurry jets <i>Gianandrea V. Messa, Stefano Malavasi, Jun Zhang and Siamack A. Shirazi</i>	237
Mathematical analysis of channelisation in non-Newtonian laminar deposition flow <i>Arno Talmon</i>	245
On the influence of numerical methods for the advection dispersion model on estimated longitudinal dispersion coefficients <i>Davy D. Silavwe, Steve G. Wallis and Isobel C. Brink</i>	253
CFD simulation of shear settling in non-Newtonian flow <i>Cees van Rhee, Peter Dobbe</i>	261

RHEOLOGY AND MISCELLANEOUS

The effect of solid components on the rheological properties of copper ore tailings <i>Maciej Gruszczyński, Jan Błotnicki, Stanisław Czaban, Tomasz Tymiński</i>	269
Effect of chemical additive quick lime on the rheology of coking coal slurry <i>Himanshu Pratap Singh, Abhijit Vikram Singh, Deo Raj Kaushal</i>	277
Sensitivity of non-Newtonian slurry viscous properties to temperature <i>Brian Zengeni, Dakalo Nekhavhambe, Peter Goosen</i>	285
Field study on the removal of solid impurities in wastewater treatment plants by implementing a modified hydrocyclone <i>Thomas Senfter, Benedikt Stern, Mathias Senn, Manuel Berger, Martin Pillei, Anke Bockreis, Wolfgang Rauch and Michael Kraxner</i>	293

SEDIMENTATION

Optimization of sand trap and settler designs for efficient deposition of suspended sediment <i>Claudia Mc Leod, Ousmane Sawadogo and Gerrit Basson</i>	301
Removal of fine non-cohesive sediment by swirl/vortex settling basin at small river abstraction works <i>Kuria Kiringu, Gerrit Basson</i>	311
Suspended sediments and water flow of the Mesta river in Bulgaria <i>Ivan Ivanov, Emil Bournaski</i>	319
Hydraulic design and physical model optimization of sustainable river abstraction works on alluvial rivers with sediment management features for potable water supply in South Africa <i>Gerrit Basson, Claudia Mc Leod, Liam van der Spuy</i>	327

MODELLING II

Suspended pipeflow with OpenFoam
T.D. Schouten, G.H. Keetels and C. van Rhee.....337

Prediction of flow parameters of mixtures for filling of cavings in the light of laboratory measurements
Franciszek Plewa, Grzegorz Strozik & Marcin Popczyk.....345

Assessment of a two-layer model for laminar pipe flow of slurries comprising a coarse fraction in non-Newtonian carrier fluid
Rene Nsanzubuhoro, Bonang Maja, Melchior Stander, Peter Goosen353

HYDRAULIC CONVEYING IV

Experimental investigation of static settled concentration of multi-sized coking coal-water slurry
Salman Beg and Deo Raj Kaushal.....363

Simple pick-up velocity measurements procedure and defining non-settling particles using rheometer
Yeshayahu Levin, Amos Ullman, Dmitry Portnikov and Haim Kalman371