

# 50 years of Studia Logica

## Conference I

Warsaw (Maðralin), October 4-6, 2003

## Conference Program

### Oct. 4 (Saturday)

11:30-12:50 **Session I:** Discussion 50 Years of Logic in Poland (Chair: ANDRZEJ GRZEGORCZYK AND WOJCIECH BUSZKOWSKI)

Introduction: RYSZARD WÓJCICKI;

Comments and contributions:

ROMAN MURAWSKI AND JERZY POGONOWSKI: *Logical Investigations at the University of Poznań in 1945-1955*;

ZOFIA ADAMOWICZ: *50 years of Polish logic differently. Comment to the Article by R. Wójcicki.*

13:00-13:50 **Session II:** Selected Issues (Chair and introduction: ANDRZEJ SALWICKI)

Contributed papers:

JANUSZ CIUCIURA: *Labelled Tableaux for  $D_2$* ;

ROBERT KUBLIKOWSKI: *Language, vagueness and definition*;

BOŻENA STARUCH AND BOGDAN STARUCH: *First order theories of partial models.*

14:15 Lunch

15:30-16:30 **Session III:** Logic of Belief (Chair: JACEK MALINOWSKI)

KRISTER SEGERBERG: *The Modal Logic of Belief Revision*;

Comments and contributed papers:

MAREK LECHNIAK: *J. Los's System and Contemporary Logics of Belief.*

16:30-18:15 **Session IV:** Intensional Logic (Chair: ANDRZEJ WIŚNIEWSKI)

JENS ERIK FENSTAD: *The Necessity of Meaning*;

GRZEGORZ MALINOWSKI: *Inferential Intensionality*;

Comments and contributed papers:

URSZULA WYBRANIEC-SKARDOWSKA: *Syntactic and Semantic Notions of Sense.*

18:15 Coffee break

18:45-20:00 **Session V:** Algebraic Logic (Chair and introduction: ROMAN MURAWSKI)

CLAUDIA CASADIO: *An Algebraic Approach to Quantification*;

JANUSZ CZELAKOWSKI: *An Algebraic Treatment of Infinitistic Definitions*;

ALEKSANDRA KIŚLAK-MALINOWSKA: *Free pregroups as a tool for parsing*;

SIEGFRIED GOTTWALD: *Ways to form set theoretic universes of fuzzy sets.*

20:15 Dinner

## Oct. 5 (Sunday)

7:30-8:30 Breakfast

8:45 Departure by bus to Warsaw

10:15-11:30 **Official opening**, The Senate Hall of Warsaw University (Chair: JERZY PELC)

11:30-12:30 Get together

12:30-14:00 **Session VI**: Invited lectures (Chair: JERZY PELC)

JOACHIM LAMBEK: *Topos methods for establishing intuitionistic principles*;

DAGFINN FOLLESDAL: *Themes from Twardowski*.

14:30-16:00 Visiting Royal Castle

18:30 Return to Mađralin by bus

19:30 Dinner

20:15-21:30 **Session VII**: Logic of Scientific Knowledge (Chair: MACIEJ KANDULSKI)

VINCENT F. HENDRICKS: *The Convergence of Scientific Knowledge*;

Comments and contributed papers:

ANDRZEJ GRZEGORCZYK: *Undecidability without Arithmetisation*;

PAWEŁ KAWALEC: *Scientific Knowledge, Epistemology and Convergence. A comment on Vincent Hendricks' paper The Convergence of Scientific Knowledge*;

ANNA PIETRZYGA: *Logical Values after Duhem*.

## Oct. 6 (Monday)

7:45-8:45 Breakfast

9:00-11:30 **Session VIII**: Information Logics (Chair: ZDZISŁAW PAWLAK)

JON MICHAEL DUNN: *The Duality Between Information and Computation*;

EWA ORŁOWSKA: *Information Logics: a modal approach to incompleteness and uncertainty of information*;

Comments and contributed papers:

GRAŻYNA MIRKOWSKA AND ANDRZEJ SALWICKI: *Logic as a tool for specification and verification of software*;

ANDRZEJ WIŚNIEWSKI: *Socratic Proofs*.

11:30 Coffee break

12:00-13:00 **Session IX**: Categorical Grammar (Chair and introduction: JOACHIM LAMBEK)

Contributed papers:

MARIA BULIŃSKA: *The Pentus Theorem for the Lambek Calculus with Nonlogical Axioms*;

MACIEJ FARULEWSKI: *On the finite models of Lambek Calculus*; MACIEJ KANDULSKI: *Derived tree languages of categorial grammars*.

14:00 Closing and Lunch

## The conference is sponsored by:

- Committee for Philosophy – Polish Academy of Sciences
- Faculty of Mathematics and Computer Science, Adam Mickiewicz University, Poznań
- Faculty of Mathematics and Computer Science, University of Warmia and Mazury, Olsztyn
- Grant Marie Curie Fellowship MCFI - 2002 - 00079
- Institute of Philosophy and Sociology of the Polish Academy of Sciences
- Kluwer Academic Publishers
- National Institute of Telecommunications, Warsaw
- Warsaw University

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In 1953, exactly 50 years ago to this day, the first volume of *Studia Logica* appeared. Now, 5 decades later we organize the conference celebrating 50th Anniversary of *Studia Logica*.

## A Brief History of *Studia Logica*

*Studia Logica* was founded by the famous Polish logician and philosopher KAZIMIERZ AJDUKIEWICZ. The members of the first editorial board included KAZIMIERZ AJDUKIEWICZ as the editor-in-chief together with LESZEK KOŁAKOWSKI, TADEUSZ KOTARBIŃSKI, ANDRZEJ MOSTOWSKI and ROMAN SUSZKO as the assistant editor. Continuously appearing since 1953 *Studia Logica* was from the beginning strongly influenced by the extraordinarily rich and fruitful tradition of logical investigations which had surfaced in Poland between the World Wars. Prominent logicians and philosophers like JAN ŁUKASIEWICZ, ALFRED TARSKI, STANISŁAW LEŚNIEWSKI, LEON CHWISTEK, TADEUSZ KOTARBIŃSKI, KAZIMIERZ AJDUKIEWICZ, MORDECHAJ WAJSBERG, ANDRZEJ MOSTOWSKI and ADOLF LINDENBAUM all, in one way or the other, influenced and contributed to the journal with their exquisite sense of science and seminal scientific work.

The 1950's presented a rather inhospitable environment for initiatives like *Studia Logica* as national governmental policy intended to capture the life of Polish science under a Marxist biased heading. Despite these local political intentions, ever since the publication of the first issue *Studia Logica* aimed at close shaves with the international and more liberal world of science.

To begin with *Studia Logica* was published by the Committee of Philosophical Sciences of the Polish Academy of Sciences. After founding the Polish Academy of Sciences from the initiative of the First Congress of Polish Science *Studia Logica* became one of the first journals under the auspices of the Polish Academy of Sciences. After Ajdukiewicz's death in 1963 the editor-in-chief position was taken over by JERZY ŚLUPECKI and then in 1970 by KLEMENS SZANIAWSKI.

Over the subsequent years the journal appeared more regularly, the editorial board was expanded and the papers published in the journal appeared more frequently in the standard international congress languages.

Until the beginning of the 1970's *Studia Logica* constituted an important forum for presenting the best papers of the most competent Polish logicians and philosophers of science. Access to the journal for interested scholarly parties outside Poland existed but was admittedly fairly limited.

The 1970's brought a successful attempt to making *Studia Logica* a fully international journal. Due to the local governmental policy such an endeavor was especially difficult in the humanities. Resistance and reservations were even voiced by the Polish scientific community itself pertaining to such an international move. The main motor of initiative and subsequent realizer of this global ambition was RYSZARD WÓJCICKI, who in 1975 took over the position of the editor-in-chief of the journal.

The year 1975 brought an immensely important transformation to *Studia Logica*. The journal was supplemented by an active international team of editors. *Studia Logica* became a thoroughly international journal but not only due to the exclusive publication in English and not only because it had an international editorial board. Just as important is the fact that since 1979 *Studia Logica* was published in cooperation with the Polish publisher Ossolineum and the international publishing house North-Holland, then Reidel and some time later Kluwer Academic Publishers. The combination of an English publishing profile, the nature of the new editorial board together with the cooperation of foreign publishing houses made for the complete internationalization of *Studia Logica*. During the 1974–1992 this newly accomplished status was consolidated, among other activities, by the excellent work of JAN ZYGMUNT and GRZEGORZ MALINOWSKI who ran the day-to-day operations of the journal for almost two decades. In the years 1991–1992 JAN ZYGMUNT headed the journal as an editor-in-chief.

Another year of significance for the journal was 1991. All governmental support for the journal had been cancelled but *Studia Logica* nevertheless maintained its high position on the market of scientific journals. This noticeable position was additionally boosted by means of an agreement made with the Dutch publishing house Kluwer Academic Publishers. The agreement still states that Kluwer Academic Publishers is the sole publisher of the journal and at the same time provider of the necessary means and sources for editing *Studia Logica*.

In 1996 GRAHAM PRIEST started to organize the review section of *Studia Logica*. His excellent works brought a success. In 1998 *Studia Logica* started to publish regularly books reviews. In 2000 EDVIN MARES replaced GRAHAM PRIEST in the position of review editor. Since 2003 the reviews editor is VINCENT F. HENDRICKS and the assistant reviews editor is KLAUS FROVIN JORGENSEN.

The 1990's added yet more velocity to the journal. The year 1995 announced an increase in the volume and frequency of published issues to 6 yearly issues, which again was increased in 2000 to 9 issues every year. *Studia Logica* also expanded its publication profile in 1995 by adding the book

series *Trends in Logic: Studia Logica Library*. To this day 21 significant monographs have appeared in the series in accordance with *Studia Logica*'s general editorial statement of aim and scope:

*Studia Logica* publishes original papers on various logical systems, which utilize methods of contemporary formal logic (those of algebra, model theory, proof theory, etc.). More specifically, *Studia Logica* invites articles on topics in general logic and on applications of logic to other branches of knowledge such as philosophy of language, cognitive science and artificial intelligence. The distinctive feature of *Studia Logica* is its series of monothematic issues edited by outstanding scholars and devoted to important topics of contemporary logic or covering significant conferences.

Over the years *Studia Logica* has achieved an unquestionable position as one of the most important logic journals available. This success owes much to a plethora of logicians and philosophers who closely cooperate with the journal. The lack of place does not allow us to list here all of them.

Immediately below is a selective list of distinguished scholars who over the years either have been or are currently acting on the editorial board:

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*Studia Logica* would like to take this opportunity to express its sincere gratitude to all who have contributed, in the most lucid and encouraging way, to the status of the journal today.

The journal is edited by independent managing editors. At present, the board of managing editors consists of WOJCIECH BUSZKOWSKI, MELVIN FITTING, ANDRE FUHRMANN, ROBERT GOLDBLATT, JACEK MALINOWSKI, DANIELE MUNDICI and HEINRICH WANSING. VINCENT F. HENDRICKS manages the books review section.

The official name of the journal is *Studia Logica – An International Journal for Symbolic Logic*. The Institute of Philosophy and Sociology of the Polish Academy of Sciences owns the journal's name, while the exclusive publisher and owner of copyrights is Kluwer Academic Publisher. At present *Studia Logica* is directed by RYSZARD WÓJCICKI – the chairman of the editorial board and JACEK MALINOWSKI – the coordinating editor responsible for the day-to-day operations.

The editorial office is located in the Staszic Palace, Section of Logic, Language and Action, Institute of Philosophy and Sociology, Polish Academy of Sciences, Nowy Świat 72, Warsaw, Poland. The official *Studia Logica* website is located at <http://www.studialogica.org>.



**50**  
**Years of Studia Logica**  
**Conference II**  
**Trends in Logic**

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LEO ESAKIA (Georgia)  
MELVIN FITTING (USA)  
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The Carlsberg Academy  
Copenhagen, Denmark  
November 20-22, 2003  
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