

# Baptizing Paraconsistent Logic: the unique touch of Miró Quesada

**Itala M. Loffredo D'Ottaviano**

Centre for Logic, Epistemology and the History of Science  
University of Campinas, Brazil  
itala@unicamp.br

**Evandro Luís Gomes**

Department of Philosophy  
State University of Maringá, Brazil  
elgomes@uem.br

*The Heterodox in Logic and Reason*

**The World Logic Day 2021**

January 14th, 2021

# dedicated to the memory of Francisco Miró Quesada Cantuarias

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks



# the history of paraconsistency

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the present state of paraconsistent logic attests to significant enhancement and its maturity permits a critical historical analysis of its development, having in view the appreciation of its historical roots and stages of formation.

the aim of our general research project, to which this paper belongs, consists in studying how a truly paraconsistent perspective was constituted in Western thought, as well as how logical principles, rules and axiomatic logical systems have expressed the contemporary various aspects of paraconsistency.

# the history of paraconsistency

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the present state of paraconsistent logic attests to significant enhancement and its maturity permits a critical historical analysis of its development, having in view the appreciation of its historical roots and stages of formation.

the aim of our general research project, to which this paper belongs, consists in studying how a truly paraconsistent perspective was constituted in Western thought, as well as how logical principles, rules and axiomatic logical systems have expressed the contemporary various aspects of paraconsistency.

# our goal

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in this talk we present and analyse the main known historical events concerning the creation of the word 'paraconsistent', as well as its introduction as the name for 'inconsistent but non-trivial formal systems'.

# Para além das Colunas de Hércules. . .

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

part of this talk has previously appeared in Section 4.3.3 of

book

Gomes, Evandro L., D'Ottaviano, Itala M. L., **Para além das Colunas de Hércules, uma história da paraconsistência: de Heráclito a Newton da Costa** (*Beyond the Columns of Hercules, a history of paraconsistency: from Heraclitus to Newton da Costa*, in Portuguese), Campinas: Editora Unicamp - CLE, 2017.

# Para além das Colunas de Hércules...

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

part of this talk has previously appeared in Section 4.3.3 of

## book

Gomes, Evandro L., D'Ottaviano, Itala M. L., **Para além das Colunas de Hércules, uma história da paraconsistência: de Heráclito a Newton da Costa** (*Beyond the Columns of Hercules, a history of paraconsistency: from Heraclitus to Newton da Costa*, in Portuguese), Campinas: Editora Unicamp - CLE, 2017.

# publishing information

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

## authors

- Evandro Luís Gomes
- Itala M. Loffredo D'Ottaviano

## publisher

- Unicamp University Press
- Unicamp Ano 50 Series, vol. 50
- Coleção *CLE*, vol. 80
- 712 pages





# Illuminating Contradiction. . .

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

an extended and enhanced English version of the book will be published by *Synthese Library Book Series*, by Springer

book

**Illuminating Contradiction: a history of paraconsistency from Heraclitus of Ephesus to Newton da Costa**

# Illuminating Contradiction. . .

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

an extended and enhanced English version of the book will be published by *Synthese Library Book Series*, by Springer

book

**Illuminating Contradiction: a history of paraconsistency from Heraclitus of Ephesus to Newton da Costa**

# outline

## Baptizing Paraconsistent Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

- introduction
- the famous correspondence
- introducing 'paraconsistent', 'paraconsistent logic', and 'paraconsistency' into the world
- etimological roots
- final remarks

# outline

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

- introduction
- the famous correspondence
- introducing 'paraconsistent', 'paraconsistent logic', and 'paraconsistency' into the world
- etimological roots
- final remarks

# outline

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

- introduction
- the famous correspondence
- introducing 'paraconsistent', 'paraconsistent logic', and 'paraconsistency' into the world
- etimological roots
- final remarks

# outline

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

- introduction
- the famous correspondence
- introducing 'paraconsistent', 'paraconsistent logic', and 'paraconsistency' into the world
- etimological roots
- final remarks

# outline

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

- introduction
- the famous correspondence
- introducing 'paraconsistent', 'paraconsistent logic', and 'paraconsistency' into the world
- etimological roots
- final remarks

# basic definitions

*consistent and inconsistent theories*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

a theory whose underlying language has a symbol for negation is *inconsistent* if there is a formula of its language such that the formula and its negation are both theorems of the theory; otherwise, the theory is called *consistent*.



# basic definitions

## *trivial theories*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

a theory is *trivial* if all formulas of its language are theorems.

if the underlying logic of a theory is classical logic, or another standard logic such as intuitionistic logic, inconsistency entails triviality, and conversely.

# basic definitions

## *trivial theories*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

a theory is *trivial* if all formulas of its language are theorems.

if the underlying logic of a theory is classical logic, or another standard logic such as intuitionistic logic, inconsistency entails triviality, and conversely.

# basic definitions

## *paraconsistent theories*

### Baptizing Paraconsistent Logic

D'Ottaviano  
and Gomes

### Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

a logical system is *paraconsistent* if it can be the underlying logic for inconsistent but non-trivial theories, which are called *paraconsistent theories*.

# basic definitions

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in accordance with the practice of da Costa, Bueno and Krause, our use of the terms 'consistency' and 'inconsistency' is syntactical, according to the original meta-mathematical terminology of Hilbert and his school.

da Costa, Bueno, and Krause, Paraconsistent logics and paraconsistency, in: *Philosophy of Logic*, ed. D. Jacquette, Elsevier, 2006, pp. 791–911.

# basic definitions

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in accordance with the practice of da Costa, Bueno and Krause, our use of the terms 'consistency' and 'inconsistency' is syntactical, according to the original meta-mathematical terminology of Hilbert and his school.

da Costa, Bueno, and Krause, Paraconsistent logics and paraconsistency, in: *Philosophy of Logic*, ed. D. Jacquette, Elsevier, 2006, pp. 791–911.

# basic definitions

## *inconsistency and triviality*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in paraconsistent logics, the scope of the Principle of (Non-)Contradiction is in a certain sense restricted.

in every paraconsistent logic, from a formula and its negation it is not possible, in general, to deduce any formula of the language.

in paraconsistent logics the notions of inconsistency and triviality are, in fact, independent notions.

in paraconsistent logics the Principle *Ex Falso Sequitur Quodlibet* is not valid in general.

# basic definitions

## *inconsistency and triviality*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in paraconsistent logics, the scope of the Principle of (Non-)Contradiction is in a certain sense restricted.

in every paraconsistent logic, from a formula and its negation it is not possible, in general, to deduce any formula of the language.

in paraconsistent logics the notions of inconsistency and triviality are, in fact, independent notions.

in paraconsistent logics the Principle *Ex Falso Sequitur Quodlibet* is not valid in general.

# basic definitions

## *inconsistency and triviality*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in paraconsistent logics, the scope of the Principle of (Non-)Contradiction is in a certain sense restricted.

in every paraconsistent logic, from a formula and its negation it is not possible, in general, to deduce any formula of the language.

in paraconsistent logics the notions of inconsistency and triviality are, in fact, independent notions.

in paraconsistent logics the Principle *Ex Falso Sequitur Quodlibet* is not valid in general.



# basic definitions

## *inconsistency and triviality*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in paraconsistent logics, the scope of the Principle of (Non-)Contradiction is in a certain sense restricted.

in every paraconsistent logic, from a formula and its negation it is not possible, in general, to deduce any formula of the language.

in paraconsistent logics the notions of inconsistency and triviality are, in fact, independent notions.

in paraconsistent logics the Principle *Ex Falso Sequitur Quodlibet* is not valid in general.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the *ex falso* has some variants in the history of logic:

- *Ex Falso Sequitur Quodlibet*
- *Ex Impossibili Sequitur Quodlibet*
- *Ex Contradictione Sequitur Quodlibet*
- *Principle of Explosion*

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the *ex falso* has some variants in the history of logic:

- *Ex Falso Sequitur Quodlibet*
- *Ex Impossibili Sequitur Quodlibet*
- *Ex Contradictione Sequitur Quodlibet*
- *Principle of Explosion*

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the *ex falso* has some variants in the history of logic:

- *Ex Falso Sequitur Quodlibet*
- *Ex Impossibili Sequitur Quodlibet*
- *Ex Contradictione Sequitur Quodlibet*
- *Principle of Explosion*

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the *ex falso* has some variants in the history of logic:

- *Ex Falso Sequitur Quodlibet*
- *Ex Impossibili Sequitur Quodlibet*
- *Ex Contradictione Sequitur Quodlibet*
- *Principle of Explosion*

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the *ex falso* has some variants in the history of logic:

- *Ex Falso Sequitur Quodlibet*
- *Ex Impossibili Sequitur Quodlibet*
- *Ex Contradictione Sequitur Quodlibet*
- *Principle of Explosion*

# comments

## *on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

motivated by a historical analysis, in special by the discussions on the *ex falso* held by several thinkers during the Middle Ages, though we recognize the distinct logical nuances, we consider the expression *Ex Falso Sequitur Quodlibet* to embrace such principles as special types of the *ex falso*.

as far as we know, the first thinker to use the expression *Idem Esse Ex Contradictione* was John of Salisbury, alluding to Adam of Balsham's school position in the debate

Iohannes de Saresberia, *Metalogicon* in: *Patrologia Latina*, ed. J.-P. Migne, 1815–1875, Vol. 199, 928C–D.

# comments

## *on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

motivated by a historical analysis, in special by the discussions on the *ex falso* held by several thinkers during the Middle Ages, though we recognize the distinct logical nuances, we consider the expression *Ex Falso Sequitur Quodlibet* to embrace such principles as special types of the *ex falso*.

as far as we know, the first thinker to use the expression *Idem Esse Ex Contradictione* was John of Salisbury, alluding to Adam of Balsham's school position in the debate

Iohannes de Saresberia, *Metalogicon* in: *Patrologia Latina*, ed. J.-P. Migne, 1815–1875, Vol. 199, 928C–D.



# comments

## *on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

motivated by a historical analysis, in special by the discussions on the *ex falso* held by several thinkers during the Middle Ages, though we recognize the distinct logical nuances, we consider the expression *Ex Falso Sequitur Quodlibet* to embrace such principles as special types of the *ex falso*.

as far as we know, the first thinker to use the expression *Idem Esse Ex Contradictione* was John of Salisbury, alluding to Adam of Balsham's school position in the debate

Iohannes de Saresberia, *Metalogicon* in: *Patrologia Latina*, ed. J.-P. Migne, 1815–1875, Vol. 199, 928C–D.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

also as far as we know, it was Mortensen, in his known book *Inconsistent Mathematics*, who used, in the context of paraconsistency, the expression *Ex Contradictione Quodlibet*.

Mortensen, *Inconsistent Mathematics*, Springer Science+Business Media B. V. 1995, p. 2.

in 1996, Bobenrieth used the expression *Ex Contradictione Sequitur Quodlibet*.

Bobenrieth, *Inconsistencias ¿Por qué no? Un estudio filosófico sobre la lógica paraconsistente*, Bogotá 1996, p. 103.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

also as far as we know, it was Mortensen, in his known book *Inconsistent Mathematics*, who used, in the context of paraconsistency, the expression *Ex Contradictione Quodlibet*.

Mortensen, *Inconsistent Mathematics*, Springer Science+Business Media B. V. 1995, p. 2.

in 1996, Bobenrieth used the expression *Ex Contradictione Sequitur Quodlibet*.

Bobenrieth, *Inconsistencias ¿Por qué no? Un estudio filosófico sobre la lógica paraconsistente*, Bogotá 1996, p. 103.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

also as far as we know, it was Mortensen, in his known book *Inconsistent Mathematics*, who used, in the context of paraconsistency, the expression *Ex Contradictione Quodlibet*.

Mortensen, *Inconsistent Mathematics*, Springer Science+Business Media B. V. 1995, p. 2.

in 1996, Bobenrieth used the expression *Ex Contradictione Sequitur Quodlibet*.

Bobenrieth, *Inconsistencias ¿Por qué no? Un estudio filosófico sobre la lógica paraconsistente*, Bogotá 1996, p. 103.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Dalla Chiara mentions *Ex Absurdo Sequitur Quodlibet*.

Dalla Chiara, *Logica*, Milano 1974, p. 27.

in fact, the expression *Ex Contradictione Sequitur Quodlibet* had been previously used in the literature by several other logicians.

Barth and Krabbe, *From axiom to dialogue*, Berlin 1982, p. 167.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Dalla Chiara mentions *Ex Absurdo Sequitur Quodlibet*.

Dalla Chiara, *Logica*, Milano 1974, p. 27.

in fact, the expression *Ex Contradictione Sequitur Quodlibet* had been previously used in the literature by several other logicians.

Barth and Krabbe, *From axiom to dialogue*, Berlin 1982, p. 167.

# comments

*on the ex falso*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Dalla Chiara mentions *Ex Absurdo Sequitur Quodlibet*.

Dalla Chiara, *Logica*, Milano 1974, p. 27.

in fact, the expression *Ex Contradictione Sequitur Quodlibet* had been previously used in the literature by several other logicians.

Barth and Krabbe, *From axiom to dialogue*, Berlin 1982, p. 167.

# comments

*looking for a name*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

however, the study of inconsistent but non-trivial theories, and of the deductive systems underlying such theories, was practiced for some time, from the 1960's into the 1970's, without a suitable name being attributed to it.

until an appropriate name was finally proposed, theorists involved in the investigation of these systems simply referred to them as “logics of inconsistent formal systems”.



# comments

*looking for a name*

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

however, the study of inconsistent but non-trivial theories, and of the deductive systems underlying such theories, was practiced for some time, from the 1960's into the 1970's, without a suitable name being attributed to it.

until an appropriate name was finally proposed, theorists involved in the investigation of these systems simply referred to them as “logics of inconsistent formal systems”.

# 'paraconsistent' birth certificate

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

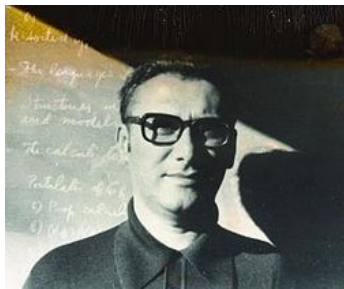
The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the birth certificate of paraconsistent logic was drawn up in a letter from the Peruvian philosopher Francisco Miró Quesada Cantuarias (1918–2019), the proposer of the name, to Newton da Costa (1929), one of the creators of modern paraconsistent logic.



Newton da Costa, 1960's

# correspondence context

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in the abundant correspondence between them, the letter dated September 29, 1975, is especially remarkable.

in this notable letter, Miró Quesada begins by expressing great contentment over da Costa's having invited him to come the following year to the University of Campinas (Unicamp), in Campinas (São Paulo, Brazil), to participate in the Third Latin American Symposium on Mathematical Logic (III SLALM).

# correspondence context

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in the abundant correspondence between them, the letter dated September 29, 1975, is especially remarkable.

in this notable letter, Miró Quesada begins by expressing great contentment over da Costa's having invited him to come the following year to the University of Campinas (Unicamp), in Campinas (São Paulo, Brazil), to participate in the Third Latin American Symposium on Mathematical Logic (III SLALM).

# a suitable name

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

however, Quesada was even more satisfied to be able to respond to his friend's request that he find a name for the logics of inconsistent and non-trivial formal systems.

as noted earlier, a suitable name for the theory of inconsistent and non-trivial formal systems was needed in order to clearly express the theoretical position of its advocates, and thereby favor its understanding and acceptance within the logical-mathematical-philosophical community.

# a suitable name

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

however, Quesada was even more satisfied to be able to respond to his friend's request that he find a name for the logics of inconsistent and non-trivial formal systems.

as noted earlier, a suitable name for the theory of inconsistent and non-trivial formal systems was needed in order to clearly express the theoretical position of its advocates, and thereby favor its understanding and acceptance within the logical-mathematical-philosophical community.

# da Costa's report

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Newton da Costa relates how this came about:

*It was then that I wrote to Miró Quesada, who viewed the new logic with great enthusiasm, asking him to suggest a name for it. I remember as if it were today that he responded by making three proposals: it could be called metaconsistent, ultraconsistent, or paraconsistent. After commenting on these possible names, he stated that he found the latter to be the best. For me the word 'paraconsistent' sounded splendid, and I began to use it, insisting also that all interested parties do the same.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias in: Lógica, razon y humanismo: la obra filosófica de Francisco Miró Quesada C., ed. Sobrevilla and Belaunde, Lima, 1992, pp. 69–70.*

# da Costa's report

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Newton da Costa relates how this came about:

*It was then that I wrote to Miró Quesada, who viewed the new logic with great enthusiasm, asking him to suggest a name for it. I remember as if it were today that he responded by making three proposals: it could be called metaconsistent, ultraconsistent, or paraconsistent. After commenting on these possible names, he stated that he found the latter to be the best. For me the word 'paraconsistent' sounded splendid, and I began to use it, insisting also that all interested parties do the same.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias in: Lógica, razon y humanismo: la obra filosofica de Francisco Miró Quesada C., ed. Sobrevilla and Belaunde, Lima, 1992, pp. 69–70.*



# da Costa's report

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Newton da Costa relates how this came about:

*It was then that I wrote to Miró Quesada, who viewed the new logic with great enthusiasm, asking him to suggest a name for it. I remember as if it were today that he responded by making three proposals: it could be called metaconsistent, ultraconsistent, or paraconsistent. After commenting on these possible names, he stated that he found the latter to be the best. For me the word 'paraconsistent' sounded splendid, and I began to use it, insisting also that all interested parties do the same.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias in: Lógica, razon y humanismo: la obra filosófica de Francisco Miró Quesada C., ed. Sobrevilla and Belaunde, Lima, 1992, pp. 69–70.*

# Quesada's first suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in his mentioned letter to da Costa, Miró Quesada argued in sequence for his three suggestions.

in presenting the first of them, he says:

*I am very pleased to hear from you about the name that could be given to the logic of inconsistent systems. It is a problem that would be easy if it were not for the pernicious semantic load of the words. I think the ideal name is 'ultraconsistent logics', because 'ultra' in Latin means 'beyond'. Remember the pillars of Hercules: Non plus ultra, and the motto of the colonizers: plus ultra, that is, beyond the columns of Hercules.*

# Quesada's first suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in his mentioned letter to da Costa, Miró Quesada argued in sequence for his three suggestions.

in presenting the first of them, he says:

*I am very pleased to hear from you about the name that could be given to the logic of inconsistent systems. It is a problem that would be easy if it were not for the pernicious semantic load of the words. I think the ideal name is 'ultraconsistent logics', because 'ultra' in Latin means 'beyond'. Remember the pillars of Hercules: Non plus ultra, and the motto of the colonizers: plus ultra, that is, beyond the columns of Hercules.*

# Quesada's first suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in his mentioned letter to da Costa, Miró Quesada argued in sequence for his three suggestions.

in presenting the first of them, he says:

*I am very pleased to hear from you about the name that could be given to the logic of inconsistent systems. It is a problem that would be easy if it were not for the pernicious semantic load of the words. I think the ideal name is 'ultraconsistent logics', because 'ultra' in Latin means 'beyond'. Remember the pillars of Hercules: Non plus ultra, and the motto of the colonizers: plus ultra, that is, beyond the columns of Hercules.*

# Quesada's first suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

and Miró Quesada goes on his suggestion:

*You are a colonizer of logic because you have exceeded consistency; you have created a logic that goes beyond consistency, as it can be applied to both consistent and inconsistent systems (avoiding trivialization in the last case). The bad thing is that 'ultra' is used today as synonymous with an extremely intense increase of a quality. So 'ultraconsistent logic' gives the impression of being a logic that has an extraordinary consistency, an anointed and consecrated consistency.*

*Letter from Miró Quesada to Newton da Costa, Lima: Sep. 29, 1975, p. 1, lines 15–28, in: Gomes and D'Ottaviano (2017, pp. 610–611).*

# Quesada's first suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

and Miró Quesada goes on his suggestion:

*You are a colonizer of logic because you have exceeded consistency; you have created a logic that goes beyond consistency, as it can be applied to both consistent and inconsistent systems (avoiding trivialization in the last case). The bad thing is that 'ultra' is used today as synonymous with an extremely intense increase of a quality. So 'ultraconsistent logic' gives the impression of being a logic that has an extraordinary consistency, an anointed and consecrated consistency.*

*Letter from Miró Quesada to Newton da Costa, Lima: Sep. 29, 1975, p. 1, lines 15–28, in: Gomes and D'Ottaviano (2017, pp. 610–611).*

# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

The metaphor evoked by Miró Quesada is admirable:

*Newton da Costa has gone beyond the Herculean pillars of logic – logicae Herculis columnae – that is, beyond consistency, extending the limits of known logicity and reestablishing them through paraconsistent logic.*

the image evoked here by Miró Quesada comes from Greek mythology. Hercules, in carrying out his tenth labor – bringing the oxen of the monster Geryon to King Eurystheus – traveled to the island of Erytheia in the far west of the Mediterranean.

# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

The metaphor evoked by Miró Quesada is admirable:

*Newton da Costa has gone beyond the Herculean pillars of logic – logicae Herculis columnae – that is, beyond consistency, extending the limits of known logicity and reestablishing them through paraconsistent logic.*

the image evoked here by Miró Quesada comes from Greek mythology. Hercules, in carrying out his tenth labor – bringing the oxen of the monster Geryon to King Eurystheus – traveled to the island of Erytheia in the far west of the Mediterranean.



# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

The metaphor evoked by Miró Quesada is admirable:

*Newton da Costa has gone beyond the Herculean pillars of logic – logicae Herculis columnae – that is, beyond consistency, extending the limits of known logicity and reestablishing them through paraconsistent logic.*

the image evoked here by Miró Quesada comes from Greek mythology. Hercules, in carrying out his tenth labor – bringing the oxen of the monster Geryon to King Eurystheus – traveled to the island of Erytheia in the far west of the Mediterranean.

# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

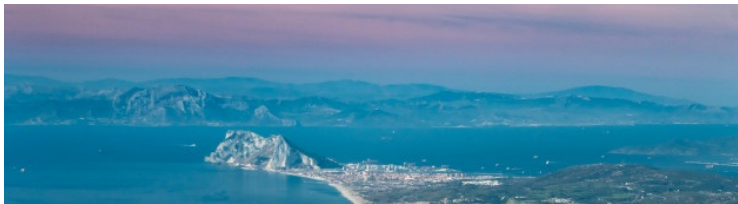
The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

as a memorial to his passage, according to some versions of the myth, Hercules erected two mountains, one in Africa and the other in Europe:



the first being Mount Hacho in Ceuta (or, alternatively, Mount Musa in Morocco), the second being the Rock of Gibraltar.

# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in another version of the myth, the Greek hero split a mountain in the middle, giving birth to the Strait of Gibraltar and thus connecting the Mediterranean to the Atlantic Ocean.

the Pillars of Hercules (*Hercules columnae*) were considered for centuries by the maritime peoples of the Mediterranean world to be the limits of navigation.

like the navigators of the Age of Exploration, Newton da Costa has traversed the Columns of Hercules: the former traveling to a new land, the latter toward new perspectives of logic.

# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in another version of the myth, the Greek hero split a mountain in the middle, giving birth to the Strait of Gibraltar and thus connecting the Mediterranean to the Atlantic Ocean.

the Pillars of Hercules (*Hercules columnae*) were considered for centuries by the maritime peoples of the Mediterranean world to be the limits of navigation.

like the navigators of the Age of Exploration, Newton da Costa has traversed the Columns of Hercules: the former traveling to a new land, the latter toward new perspectives of logic.

# admirable metaphor

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in another version of the myth, the Greek hero split a mountain in the middle, giving birth to the Strait of Gibraltar and thus connecting the Mediterranean to the Atlantic Ocean.

the Pillars of Hercules (*Hercules columnae*) were considered for centuries by the maritime peoples of the Mediterranean world to be the limits of navigation.

like the navigators of the Age of Exploration, Newton da Costa has traversed the Columns of Hercules: the former traveling to a new land, the latter toward new perspectives of logic.

# Quesada's second suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

*For this reason, perhaps it would be better to say 'metaconsistent logics' because 'meta' means 'beyond' or 'after' in Greek, that is, more or less the same thing as 'ultra' (it also means other things with different grammatical cases). It also sounds very nice. It is true that it is a barbarism, or rather a solecism, but this doesn't matter, because 'sociology' is also. The defect of 'metaconsistent' is that 'meta' is associated in the mathematical-philosophical milieu with 'meta-theory' and gives the impression that it is a logic related to meta-language. But aside from this semantic freight, I would not see any objection.*

*Letter from Miró Quesada to Newton da Costa, Lima: Sep. 29, 1975, p. 2, lines 1–6, in: Gomes and D'Ottaviano (2017, pp. 610–611).*

# Quesada's third suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Like the previous suggestion, this term suffers semantic interference from more consolidated uses of the prefix

Miró Quesada then suggests the name that would be destined to travel the world and accurately translate the very spirit of the logics of inconsistent and non-trivial formal systems

# Quesada's third suggestion

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Like the previous suggestion, this term suffers semantic interference from more consolidated uses of the prefix

Miró Quesada then suggests the name that would be destined to travel the world and accurately translate the very spirit of the logics of inconsistent and non-trivial formal systems



# Quesada's third suggestion

*There is, however, another possibility: use 'para', which in Greek means 'next to'. 'Paraconsistent logics' sounds nice, a little esoteric, gives a more or less precise idea of what it is about (logics that are not like the classical ones, but that fall next to them as they can be applied to inconsistent systems), and has the advantage that there is no deforming semantic load. I therefore propose that you choose from the three following names, whose precision is due to their negative semantic load:*

- 1) *Ultraconsistent Logics*
- 2) *Metaconsistent Logics*
- 3) *Paraconsistent Logics*

*I hope that you like any of the three, and I would be happy to have contributed to baptizing these types of logics that have such great philosophical importance.*

*Letter from Miró Quesada to Newton da Costa, Lima: Sep. 29, 1975, p. 2, lines 7–20, in: Gomes and D'Ottaviano (2017, pp. 610–611).*

# the baptismal certificate of paraconsistent logic

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

this is undoubtedly the first time in history that the term 'paraconsistent' was written.

Miró Quesada's letter is therefore a primary source unique to the history of paraconsistency, and may be said to constitute the baptismal certificate of paraconsistent logic.

the choice of the name contributed greatly to the effort to establish and legitimize this area of logical-formal research.

# the baptismal certificate of paraconsistent logic

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

this is undoubtedly the first time in history that the term 'paraconsistent' was written.

Miró Quesada's letter is therefore a primary source unique to the history of paraconsistency, and may be said to constitute the baptismal certificate of paraconsistent logic.

the choice of the name contributed greatly to the effort to establish and legitimize this area of logical-formal research.

# the baptismal certificate of paraconsistent logic

## Baptizing Paraconsistent Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

this is undoubtedly the first time in history that the term 'paraconsistent' was written.

Miró Quesada's letter is therefore a primary source unique to the history of paraconsistency, and may be said to constitute the baptismal certificate of paraconsistent logic.

the choice of the name contributed greatly to the effort to establish and legitimize this area of logical-formal research.

# the letter, page one

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks



UNIVERSIDAD PERUANA CAYETANO HEREDIA  
CALLE HONORIO DELGADO  
KM. 3.5 PANAMERICANA NORTE (CARRITERA ANCONA)  
TELÉF. 815772 - AP. 5045  
LIMA - PERU

Lima 29 de Setiembre de 1975

Querido Newton:

muchas gracias por la invitación a Campinas. Me acaba de escribir Lidya Arruda y, por supuesto, he aceptado. Pero como te dije en Lima, yo no me considero de ninguna manera un lógico, sino un filósofo informado. Sin embargo, tal como tu me hiciste ver las cosas, creo que, en el plano filosófico si puedo plantear cosas interesantes y que manejo la lógica lo suficiente como para poder decir algunas cosas originales desde el punto de vista de la filosofía del conocimiento. He aceptado participar en las conferencias sobre lógicas no clásicas, porque creo que puedo decir algunas cosas de interés sobre la significación de la lógica de los sistemas inconsistentes para la filosofía del conocimiento. Pronto te escribo en detalle para que veas lo que pienso hacer. Como siempre tus sugerencias serán recibidas con júbilo.

Me malaga mucho que me consultes sobre el nombre que pondrá darse a la lógica de los sistemas inconsistentes. Es un problema que sería difícil si no fuera por la mala carga semántica de las palabras. Creo que la ~~propia~~ denominación ideal es "lógicas ultracconsistentes", porque "ultra" en latín significa más allá de. Acuérdate de las columnas de Hércules: Non plus ultra y del lema de los colónidas: plus ultra, es decir, más allá de las columnas de Hércules. Tu eres un colónida de la lógica pues has rebasado la consistencia, has creado una lógica que va más allá de la consistencia pues se puede aplicar tanto a los sistemas consistentes como inconsistentes (evitando en este caso la trivialización). Lo malo es que "ultra" se utiliza hoy día como sinnónimo de aumento sumamente intenso de una cualidad. De manera que "lógica ultracconsistente" da la impresión de ser una lógica que tiene una consistencia extraordinaria, una consistencia oleada y sacramentada. Peseo tal vez sería mejor decir "lógicas metaconsistentes" pues "meta" significa en griego más allá de, después de, o sea, más o menos lo mismo que ~~en~~ "ultra" (significa, además, otras cosas, pero con casos diferentes). Ade-

# the letter, page two

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspondence

Introducing  
'paraconsistent'  
and  
'paraconsistent  
logic'

Etimological  
roots

Final remarks



UNIVERSIDAD PERUANA CAYETANO HEREDIA

CALLE HONORIO DELGADO  
KM: 9.5 PANAMERICANA NORTE (CARRETERA ANCON)  
TELEF. 815772 - AP. 9045

LIMA - PERU

-2-

más suena muy bonito. Es cierto que es un barbarismo o mejor, un solecismo, pero ello no le hace, pues sociología también lo es. El defecto de "metaconsistente" es que "meta" se asocia en los medios matemático-filosóficos con "metateoría" y da la impresión de que se trata de una lógica relativa al metalenguaje. Pero, fuera de esta carga semántica, no vería yo ninguna objeción.

Hay, empero, otra posibilidad: utiliza "para" que en griego  $\pi\alpha\rho\alpha$  significa al lado de. "Lógicas paraconsistentes" suena bonito, un poco  $\pi\alpha\rho\alpha\text{-}\text{consistente}$ , da una idea más o menos precisa de lo que se trata (lógicas que no son como las clásicas, sino que quedan un poco al lado de ellas pues pueden aplicarse a sistemas inconsistentes) y tiene la ventaja de que no hay carga semántica deformante. Te propongo pues, a elegir, entre las tres denominaciones siguientes, cuya precisión está en razón de su carga semántica negativa:

- 1) Lógicas ultraconsistentes
- 2) Lógicas metaconsistentes
- 3) Lógicas paraconsistentes

Ojalá que te guste alguna de las tres, me sentiría encantado de contribuir a bautizar a este tipo de lógicas que tienen tan gran importancia filosófica.

Pronto te escribo para contarte como fue el Congreso de Filosofía de Morelia, en el que tuve una activa participación, y para hablarte un poco de mis trabajos. Ah, y como creo ya haberte anticipado, quiero hacerte una consulta sobre la definición de número constructible.

Con un fuerte abrazo

Paco

# the name made public

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the name was finally made public at an important continental logic event, the Third Latin American Symposium on Mathematical Logic (III SLALM).

such continental event was held at the Institute of Mathematics, Statistics and Computer Science (IMECC, nowadays the Institute of Mathematics, Statistics and Scientific Computation) at the University of Campinas (Unicamp) from July 11 to 17, 1976.

# the name made public

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the name was finally made public at an important continental logic event, the Third Latin American Symposium on Mathematical Logic (III SLALM).

such continental event was held at the Institute of Mathematics, Statistics and Computer Science (IMECC, nowadays the Institute of Mathematics, Statistics and Scientific Computation) at the University of Campinas (Unicamp) from July 11 to 17, 1976.



# the name made public

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

the name was finally made public at an important continental logic event, the Third Latin American Symposium on Mathematical Logic (III SLALM).

such continental event was held at the Institute of Mathematics, Statistics and Computer Science (IMECC, nowadays the Institute of Mathematics, Statistics and Scientific Computation) at the University of Campinas (Unicamp) from July 11 to 17, 1976.

# III SLALM

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

at the Third Latin American Symposium on Mathematical Logic, organized by Ayda Ignez Arruda and the first of these symposiums to be held at Unicamp, Quesada lectured on "Heterodox logics and the problem of the unity of logic" on July 15, 1976.

it was in this lecture that he made public the suggestion of the names 'paraconsistent logic' and 'paraconsistency'.



Ayda Ignez Arruda



# III SLALM opening session

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks



# III SLALM

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

during the event itself, Elias Humberto Alves and Carlos Alberto Lungarzo had already used the term 'paraconsistent' in their communications, "On paraconsistent logic" and "A paraconsistent infinitary propositional calculus", respectively.

*the Proceedings of the III SLALM, Non-classical logics, model theory and computability*, were published in 1977 by North-Holland, edited by Ayda Arruda, Newton da Costa and Rolando Chuaqui.

but the lecture delivered by Quesada and the communications presented by Alves and Lungarzo are not in the book, for they were not sent by the authors for publication.

# III SLALM

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

during the event itself, Elias Humberto Alves and Carlos Alberto Lungarzo had already used the term 'paraconsistent' in their communications, "On paraconsistent logic" and "A paraconsistent infinitary propositional calculus", respectively.

the *Proceedings of the III SLALM, Non-classical logics, model theory and computability*, were published in 1977 by North-Holland, edited by Ayda Arruda, Newton da Costa and Rolando Chuaqui.

but the lecture delivered by Quesada and the communications presented by Alves and Lungarzo are not in the book, for they were not sent by the authors for publication.

# III SLALM

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

during the event itself, Elias Humberto Alves and Carlos Alberto Lungarzo had already used the term 'paraconsistent' in their communications, "On paraconsistent logic" and "A paraconsistent infinitary propositional calculus", respectively.

the *Proceedings of the III SLALM, Non-classical logics, model theory and computability*, were published in 1977 by North-Holland, edited by Ayda Arruda, Newton da Costa and Rolando Chuaqui.

but the lecture delivered by Quesada and the communications presented by Alves and Lungarzo are not in the book, for they were not sent by the authors for publication.

# III SLALM participants' record

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks





# a unique phenomenon

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

da Costa describes a phenomenon unique in the history of logic:

*Two or three months later, the miracle took place; the term circled the world, and all centers directly or indirectly linked to logic in the northern and southern hemispheres began to use it. I think that very few times in the history of science (and certainly in the history of logic) has anything similar happened, because not only did the word travel the whole world, but the logic itself that Miró Quesada called 'paraconsistent' gained a formidable impulse. It became one of the most debated logical theories of our time.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias* in: *Lógica, razon y humanismo: la obra filosófica de Francisco Miró Quesada C.*, ed. Sobrevilla and Belaunde, Lima, 1992, p. 70.

# hellenic roots

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Quesada's suggestion of employing the preposition 'para', taken from Attic Greek, was absolutely successful. In ancient Greek the preposition 'παρὰ' takes in a broad semantic spectrum, even admitting opposite denotations among its meanings.

ancient Greek, explains Muracho, makes use of invariable words, initially 18 prepositions, which, before verbs add to the verbal meaning (action or state) a spatial relationship and, by metaphor, a temporal relation.

Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 530.

# hellenic roots

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Quesada's suggestion of employing the preposition 'para', taken from Attic Greek, was absolutely successful. In ancient Greek the preposition 'παρὰ' takes in a broad semantic spectrum, even admitting opposite denotations among its meanings.

ancient Greek, explains Muracho, makes use of invariable words, initially 18 prepositions, which, before verbs add to the verbal meaning (action or state) a spatial relationship and, by metaphor, a temporal relation.

Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 530.

# 'παρὰ' original meaning

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in this sense, 'παρὰ' means 'next to', in complete opposition to the idea of 'within'.

the original concrete meaning of 'παρὰ', Muracho explains, is 'next to' or 'along with', as Quesada pointed out above, and its meaning varies in accord with the grammatical case of its object.

Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 533.

# ‘παρὰ’ original meaning

Baptizing  
Paraconsistent  
Logic

D’Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in this sense, ‘παρὰ’ means ‘next to’, in complete opposition to the idea of ‘within’.

the original concrete meaning of ‘παρὰ’, Muracho explains, is ‘next to’ or ‘along with’, as Quesada pointed out above, and its meaning varies in accord with the grammatical case of its object.

Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 533.

# ‘παρὰ’: dative case meaning

Baptizing  
Paraconsistent  
Logic

D’Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

when the object is in the dative case, ‘παρὰ’ can have the meaning ‘at the side of’, as in the following example:

οἱ παρὰ βασιλεῖ ὄντες

*those who are aside the king*

*[the court, the aulics, the closest to the king]*

Xenophon, *An.* 1, 5, 1 quoted from Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 592.

# ‘παρὰ’: dative case meaning

Baptizing  
Paraconsistent  
Logic

D’Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

when the object is in the dative case, ‘παρὰ’ can have the meaning ‘at the side of’, as in the following example:

οἱ παρὰ βασιλεῖ ὄντες

*those who are aside the king*

*[the court, the aulics, the closest to the king]*

Xenophon, *An.* 1, 5, 1 quoted from Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 592.

# ‘παρὰ’: accusative case meaning

Baptizing  
Paraconsistent  
Logic

D’Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

when the object is in the accusative case, ‘παρὰ’ can have the meaning of ‘beyond’, as in the following example:

καὶ παρὰ δύναμιν

*even beyond his power*

*[stand aside, surpassing]*

Thucydides, 8, 2, 2 quoted from Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 594.



# ‘παρὰ’: accusative case meaning

Baptizing  
Paraconsistent  
Logic

D’Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

when the object is in the accusative case, ‘παρὰ’ can have the meaning of ‘beyond’, as in the following example:

καὶ παρὰ δύναμιν

*even beyond his power*

*[stand aside, surpassing]*

Thucydides, 8, 2, 2 quoted from Muracho, *Língua grega*, 2 ed., São Paulo: Discurso Editorial; Petrópolis: Vozes, 2003, vol. 1, p. 594.

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

these are the etymological roots that allow the term  
'paraconsistent' to encompass distinct philosophical visions of  
paraconsistency, from the most sober to the most exaggerated

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

some scholars, such as Asenjo, considered the name agreeable, while others suggested alternative names such as

- dialethic logic – Priest and Routley
- transconsistent logic – Priest
- parainconsistent logic – Perzanowski

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

some scholars, such as Asenjo, considered the name agreeable, while others suggested alternative names such as

- dialethic logic – Priest and Routley
- transconsistent logic – Priest
- parainconsistent logic – Perzanowski

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

some scholars, such as Asenjo, considered the name agreeable, while others suggested alternative names such as

- dialethic logic – Priest and Routley
- transconsistent logic – Priest
- parainconsistent logic – Perzanowski

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

some scholars, such as Asenjo, considered the name agreeable, while others suggested alternative names such as

- dialethic logic – Priest and Routley
- transconsistent logic – Priest
- parainconsistent logic – Perzanowski

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

these suggestions, however, did not go anywhere, probably due to the great semantic capacity of the term 'paraconsistent'.

the term very well translates the logical character of inconsistent (contradictory) but non-trivial logics, while at the same time it is capable of harboring diverse philosophical visions of the ontological study of contradiction.

# the term 'paraconsistent'

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

these suggestions, however, did not go anywhere, probably due to the great semantic capacity of the term 'paraconsistent'.

the term very well translates the logical character of inconsistent (contradictory) but non-trivial logics, while at the same time it is capable of harboring diverse philosophical visions of the ontological study of contradiction.



# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

several important and recognized logicians from various countries participated as invited speakers in the Third Latin American Symposium on Mathematical Logic in 1976.

from Latin America and Brazil, alongside Ayda Arruda, Newton da Costa, Rolando Chuaqui, and Roberto Cignoli, among others, there also participated in the event young logicians who are nowadays well-known points of reference in Latin American logic.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

several important and recognized logicians from various countries participated as invited speakers in the Third Latin American Symposium on Mathematical Logic in 1976.

from Latin America and Brazil, alongside Ayda Arruda, Newton da Costa, Rolando Chuaqui, and Roberto Cignoli, among others, there also participated in the event young logicians who are nowadays well-known points of reference in Latin American logic.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

D'Ottaviano, then a doctoral student, witnessed the atmosphere of effusive revelry and acceptance that accompanied Quesada's lecture and suggestion of the term 'paraconsistent logic'.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in 1989, D'Ottaviano participated in the First World Congress on Paraconsistency (I WCP), held in Ghent, Belgium, when Jerzy Perzanowski proposed the alternative name 'parainconsistent logic' for the paraconsistent systems.

she also participated in the *Jaśkowski Memorial Symposium*, held in Toruń, Poland in 1998, when Perzanowski once again presented his proposal.

in both meetings, D'Ottaviano publicly protested and argued against Perzanowski's suggestion.

Perzanowski, Fifty years of parainconsistent logics, *Logic and Logical Philosophy*, 7, 1999, pp. 21–24.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in 1989, D'Ottaviano participated in the First World Congress on Paraconsistency (I WCP), held in Ghent, Belgium, when Jerzy Perzanowski proposed the alternative name 'parainconsistent logic' for the paraconsistent systems.

she also participated in the *Jaśkowski Memorial Symposium*, held in Toruń, Poland in 1998, when Perzanowski once again presented his proposal.

in both meetings, D'Ottaviano publicly protested and argued against Perzanowski's suggestion.

Perzanowski, Fifty years of parainconsistent logics, *Logic and Logical Philosophy*, 7, 1999, pp. 21–24.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

in 1989, D'Ottaviano participated in the First World Congress on Paraconsistency (I WCP), held in Ghent, Belgium, when Jerzy Perzanowski proposed the alternative name 'parainconsistent logic' for the paraconsistent systems.

she also participated in the *Jaśkowski Memorial Symposium*, held in Toruń, Poland in 1998, when Perzanowski once again presented his proposal.

in both meetings, D'Ottaviano publicly protested and argued against Perzanowski's suggestion.

Perzanowski, Fifty years of parainconsistent logics, *Logic and Logical Philosophy*, 7, 1999, pp. 21–24.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

although we do not have the letter from da Costa that Quesada was responding to, da Costa talked about the event under discussion in a book honoring the 70th year of his Peruvian correspondent:

*Several years ago when I needed a convenient and meaningful name for a logic that did not from the start eliminate contradictions as false, that is, as absolutely unacceptable, Miró Quesada helped me. On this point, it should be remembered that, at that time, all logics thoroughly condemned contradictions. The new logic in which I worked therefore still found a great deal of resistance; it was little publicized, and those who were aware of it were, for the most part, skeptical about it.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias* in: *Lógica, razon y humanismo: la obra filosofica de Francisco Miró Quesada C.*, ed. Sobrevilla and Belaunde, Lima, 1992, p. 69.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

although we do not have the letter from da Costa that Quesada was responding to, da Costa talked about the event under discussion in a book honoring the 70th year of his Peruvian correspondent:

*Several years ago when I needed a convenient and meaningful name for a logic that did not from the start eliminate contradictions as false, that is, as absolutely unacceptable, Miró Quesada helped me. On this point, it should be remembered that, at that time, all logics thoroughly condemned contradictions. The new logic in which I worked therefore still found a great deal of resistance; it was little publicized, and those who were aware of it were, for the most part, skeptical about it.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias* in: *Lógica, razon y humanismo: la obra filosofica de Francisco Miró Quesada C.*, ed. Sobrevilla and Belaunde, Lima, 1992, p. 69.



# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Da Costa's account shows how difficult the early days of paraconsistent logic were.

if today paraconsistency is a theoretical option among many alternatives, at the time it was first proposed, in its beginnings, it was necessary for the pioneers of paraconsistency to overcome resistance in order for the new perspective on logicity to be legitimately admitted.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Da Costa's account shows how difficult the early days of paraconsistent logic were.

if today paraconsistency is a theoretical option among many alternatives, at the time it was first proposed, in its beginnings, it was necessary for the pioneers of paraconsistency to overcome resistance in order for the new perspective on logicity to be legitimately admitted.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

both from the theoretical and paradigmatic points of view, it was necessary for paraconsistent logic to be accepted as valid by the community of those who studied logic.

on this point, the name 'paraconsistent' seems to have played a key role.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

both from the theoretical and paradigmatic points of view, it was necessary for paraconsistent logic to be accepted as valid by the community of those who studied logic.

on this point, the name 'paraconsistent' seems to have played a key role.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

with regard to the choice of the name, and to Quesada's suggestion of the term 'paracomplete' for describing those logics as duals as the paraconsistent ones, in which the Principle of the Excluded Third does not hold, da Costa states:

*It does not seem to me an exaggeration to say that in these two episodes the name created the thing named. Is this not a miracle? Or, if someone prefers, an act of magic? As the answer has to be positive, the appellation of 'magician' should be applied to Miró Quesada.*

da Costa, *La filosofía de la lógica de Francisco Miró Quesada Cantuarias* in: *Lógica, razon y humanismo: la obra filosofica de Francisco Miró Quesada C.*, ed. Sobrevilla and Belaunde, Lima, 1992, p. 70.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

today, Newton da Costa looks back on these events and recognizes once again their importance:

*I think the name is fundamental. When Professor Miró Quesada, a great friend of mine, a Peruvian, suggested this name, in a matter of months the whole world was talking about paraconsistent logic. In this case, the name almost created the discipline. [...] In fact, he was a full professor at the Faculty of Law there at the University of San Marcos, and perhaps the first book on juridical logic in Latin America was written by him.*

*Entrevista de Newton da Costa in: Gomes and D'Ottaviano, Para além das Colunas de Hércules, p. 655, lines 368–371; 373–375.*

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Francisco Miró Quesada suggested to Newton da Costa an all-embracing name for inconsistent but non-trivial formal systems, and, in spite of other proposals, the term 'paraconsistent' prevailed.

# final remarks

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

Miró Quesada, in presenting his master's touch, to the international academic community during the Third Latin American Symposium on Mathematical Logic, ineradicably left his mark on the history of paraconsistency and paraconsistent logic.



# a tribute to Newton and Paco

Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks



Baptizing  
Paraconsistent  
Logic

D'Ottaviano  
and Gomes

Introduction

The famous  
correspon-  
dence

Introducing  
'paraconsis-  
tent' and  
'paraconsis-  
tent logic'

Etimological  
roots

Final remarks

gracias!

obrigado!