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Asst. Prof. Paolo Bertozzini

ผู้ช่วยศาสตราจารย์ ดร. เปาโล เบอ์โทซซินี

EDUCATION

Years	Degrees/ Certificates	Institutes
1998	DOTTORATO DI RICERCA (MATHEMATICS)	UNIVERSITÀ DI MILANO
1990	LAUREA (PHYSICS)	UNIVERSITÀ DI BOLOGNA

WORK EXPERIENCES

Years	Administrative Positions
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Years	Work Positions
1997-Now	Foreign Expert - Thammasat University

RESEARCH AREA

Non-commutative Geometry,
Quantum Gravity,
Operator Algebras and Algebraic Quantum Field Theory,
Category Theory.

Scopus Author ID 6506596411

ORCID ID <https://orcid.org/0000-0002-1387-9283>.

WEB of Science Researcher ID

Awards/Scholarships:

Years	Scholarship/ Award Names	Awarding Institutes
2002-2005	Royal Golden Jubilee PhD Advisor Grant	Thailand Research Fund
1994-1997	Borsa di Dottorato (PhD Scholarship)	Università degli Studi di Milano
1983-1985	Internal Position in the "Class of Science"	Scuola Normale Superiore - Pisa

Research Grants:

Topics	Research Grants	Years
"Categorical Non-commutative Geometry"	Thammasat University Research Grant	2013-2020
"Modular Spectral Triples in Non-commutative Geometry and Physics"	Thailand Research Fund Research Career Development Grant Project RSA4580030	2002-2004

Publication:

International publication:

Paolo Bertozzini, Roberto Conti, Wicham Lewkeeratiyutkul, Noppakhun Suthichitranont

“On Strict Higher C^* -categories”

Cahiers de Topologie et Geometrie Differentielle Categoriqes LXI-3 (2020) 239-348

Paolo Bertozzini, Roberto Conti, Natee Pitiwan

“Discrete Non-commutative Gel’fand-Naimark Duality”

East-West Journal of Mathematics 21 n.2 (2019) 103-143

Paolo Bertozzini

“Mathematical Physics in Thailand”

IAMP News Bulletin January (2017) 17-24

Paolo Bertozzini, Roberto Conti, Wicham Lewkeeratiyutkul

“A Remark on Gel’fand Duality for Spectral Triples”

Bulletin of the Korean Mathematical Society 48 n.3 (2011) 505-521

Paolo Bertozzini, Roberto Conti, Wicham Lewkeeratiyutkul

“Modular Theory, Non-commutative Geometry and Quantum Gravity”

Symmetry, Integrability and Geometry: Methods and Applications SIGMA 6 p.n.067 (2010) 47 pages

Paolo Bertozzini, Roberto Conti, Wicham Lewkeeratiyutkul

“A Horizontal Categorification of Gel’fand Duality”

Advances in Mathematics 226 n.1 (2011) 584-607

Paolo Bertozzini, Roberto Conti, Wicham Lewkeeratiyutkul

“A Category of Spectral Triples and Discrete Groups with Length Function”

Osaka Journal of Mathematics 43 n.2 (2006) 327-350

Paolo Bertozzini, Roberto Conti, Roberto Longo

“Covariant Sectors with Infinite Dimension and Positivity of the Energy”

Communications in Mathematical Physics 193 n.2 (1998) 471-492

National publication:

Paolo Bertozzini, Kasemsun Rutamorn,

“Kreĩn C^* -modules”

Chamchuri Journal of Mathematics 5 (2013) 23-44

Paolo Bertozzini, Kasemsun Rutamorn

“Kreĩn C^* -categories”

Chamchuri Journal of Mathematics 1 n.2 (2009) 61-74

Paolo Bertozzini, Ugo Valdre

“Nuove Microscopie a Scansione”

Microscopia Elettronica 12 (1991) 58-85

Conferences:

Paratat Bejrakarboom, Paolo Bertozzini

“Involutive Weak Higher Categories”

Proceedings of AMM 2017 (2017)

Paolo Bertozzini

“Categorical Operator Algebraic Foundations of Relational Quantum Theory”,

Proceedings of Science PoS(FFP14) p.n. 206 (2015) 6 pages,

Paolo Bertozzini, Chatchai Putthinrugroj

“Hybrid Categories”

AMM 2014 Book of Abstracts (2014) 85

Paolo Bertozzini, Frederic Jaffrennou

“Remarks on Morphisms of Spectral Geometries”

ICMA-MU 2013 International Conference in Mathematics and Applications

East West Journal of Mathematics 15 n.1 (2013) 15-24

Paolo Bertozzini, Roberto Conti, Wicharn Lewkeeratiyutkul

“Enriched Fell Bundles and Spaceoids”

Noncommutative Geometry and Physics 3, 283-297,

“Proceedings of the RIMS Thematic Year 2010 on Perspectives in Deformation Quantization and Noncommutative Geometry”, Kyoto University, Japan, 1 April 2010 - 31 March 2011,

Edited by: Giuseppe Dito, Motoko Kotani, Yoshiaki Maeda, Hitoshi Moriyoshi, Toshikazu Natsume,

Keio COE Lecture Series on Mathematical Science, World Scientific (2013)

Paolo Bertozzini, Roberto Conti, Wicharn Lewkeeratiyutkul,

“Categorical Non-commutative Geometry”

Algebra, Geometry, and Mathematical Physics 2010,

Journal of Physics: Conference Series 346 p.n.012003 (2012) 9 pages

Pichkitti Bannangkoon, Paolo Bertozzini, Wicharn Lewkeeratiyutkul

“Spectral Theory on Commutative Krein C^* -algebras”

AMM 2009, Collection of Full Papers (2009) 38-55

Paolo Bertozzini, Roberto Conti, Wicharn Lewkeeratiyutkul

“Non-commutative Geometry Categories and Quantum Physics”

Contributions in Mathematics and Applications II,

East-West Journal of Mathematics special volume (2007) 213-259

Patents/อนุสิทธิบัตร