# Pierre J. Clavier

*Publication List*

## Published in refereed journals

- **An algebraic formulation of the locality principle in renormalisation**; *P.J.C, Li Guo, Sylvie Paycha & Bin Zhang*, Europ. Jour. of Math., DOI: 10.1007/s40879-018-0255-8, arXiv:1711.00884v2.

- **Alien calculus and a Schwinger–Dyson equation: two-point function with a nonperturbative mass scale**; *Marc Bellon & P.J.C.*; Lett. Math. Phys., DOI:10.1007/s11005-017-1016-1, arXiv:1612.07813v2.

- **A Schwinger–Dyson Equation in the Borel Plane: singularities of the solution**; *Marc P. Bellon & P.J.C.*; Lett. Math. Phys., DOI:10.1007/s11005-015-0761-2, arXiv:1411.7190v2.

- **Analytic results for Schwinger–Dyson equations with a mass term**; *P.J.C.*; Lett. Math. Phys., DOI:10.1007/s11005-015-0762-1, arXiv:1409.3351.

- **Higher Order Corrections to the Asymptotic Perturbative Solution of a Schwinger-Dyson Equation**; *Marc P. Bellon & P.J.C.*; Lett. Math. Phys, DOI:10.1007/s11005-014-0686-1, arXiv:1311.1160v2.

## Published in refereed proceedings

- **Batalin–Vilkovisky formalism as a theory of integration for polyvectors**; *P.J.C. & Viet Dang Nguyen*; in book: "Quantization, Geometry and Noncommutative Structures in Mathematics and Physics", DOI:10.1007/978-3-319-65427-0_8, arXiv:1609.02326.

- **Solving a Dyson–Schwinger equation around its first singularity in the Borel plane**; *Marc Bellon & P.J.C.*; in book: "Dyson-Schwinger Equations in Modern Mathematics and Physics", Front. Phys. (2016) DOI: 10.1007/s11467-016-0582-5.

## Preprints

- **Analytic and algebraic aspects of arborified zeta values**; *P.J.C.* , arXiv:1812.00777.

- **Locality and renormalisation: Universal properties and integrals on trees**; *P.J.C., Li Guo, Syvie Paycha & Bin Zhang*, arXiv:1811.01215.

- **Renormalisation via locality morphisms**; *P.J.C., Li Guo, Syvie Paycha & Bin Zhang*, arXiv:1810.03210.

- **Renormalisation and locality: branched zeta values**; *P.J.C, Li Guo, Sylvie Paycha & Bin Zhang*, arXiv:1807.07630.

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- **Analyticity domain of a Quantum Field Theory and Accelero-summation**; *Marc P. Bellon & P.J.C.*, arXiv:1806.08254.

- **Analytical and Geometric approches of non-perturbative Quantum Field Theories**; *P.J.C*; arXiv:1511.09190; PhD thesis.

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