

# DANIEL TUBBENHAUER

## PUBLICATIONS

*Apr.2018*

*Preprint* Trihedral Soergel bimodules  
<https://arxiv.org/abs/1804.08920>  
Authors: Marco MACKAAY, Volodymyr MAZORCHUK, Vanessa MIEMIETZ,  
Daniel TUBBENHAUER

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*Oct.2017*

*Preprint* Relative cellular algebras  
<https://arxiv.org/abs/1710.02851>  
Authors: Michael EHRIG, Daniel TUBBENHAUER

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*Mar.2017*

*Accepted* Functoriality of colored link homologies  
To appear in Proc. Lond. Math. Soc. <https://arxiv.org/abs/1703.06691>  
Authors: Michael EHRIG, Daniel TUBBENHAUER, PAUL WEDRICH

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*Jan.2017*

*Accepted* Webs and  $q$ -Howe dualities in types **BCD**  
To appear in Trans. Amer. Math. Soc. <http://arxiv.org/abs/1701.02932>  
Authors: Antonio SARTORI, Daniel TUBBENHAUER

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*Dec.2016*

*Accepted* Simple transitive 2-representations via (co)algebra 1-morphisms  
To appear in Indiana Univ. Math. J. <http://arxiv.org/abs/1612.06325>  
Authors: Marco MACKAAY, Volodymyr MAZORCHUK, Vanessa MIEMIETZ,  
Daniel TUBBENHAUER

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*Nov.2016*

*Preprint* Singular TQFTs, foams and type D arc algebras  
<http://arxiv.org/abs/1611.07444>  
Authors: Michael EHRIG, Daniel TUBBENHAUER, Arik WILBERT

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*Sep.2016*

*Accepted* Two-color Soergel calculus and simple transitive 2-representations  
To appear in Canad. J. Math. <http://arxiv.org/abs/1609.00962>  
Authors: Marco MACKAAY, Daniel TUBBENHAUER

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*Jan.2016*

*Preprint* Generic  $\mathfrak{gl}_2$ -foams, web and arc algebras  
<http://arxiv.org/abs/1601.08010>  
Authors: Michael EHRIG, Catharina STROPPEL, Daniel TUBBENHAUER

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*Oct.2015*

*Published* The Blanchet–Khovanov algebras  
 Categorification and Higher Representation Theory, 183–226, Contemp. Math.,  
 683, Amer. Math. Soc., Providence, RI, 2017.  
<http://arxiv.org/abs/1510.04884>  
 Authors: Michael EHRIG, Catharina STROPPEL, Daniel TUBBENHAUER

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*Jul.2015*  
*Published* Semisimplicity of Hecke and (walled) Brauer algebras  
 J. Aust. Math. Soc. 103 (2017), no. 1, 1–44.  
<http://arxiv.org/abs/1507.07676>  
 Authors: Henning H. ANDERSEN, Catharina STROPPEL, Daniel TUBBENHAUER

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*Apr.2015*  
*Published* Super  $q$ -Howe duality and web categories  
 Algebr. Geom. Topol. 17-6 (2017), 3703–3749.  
<http://arxiv.org/abs/1504.05069>  
 Authors: Daniel TUBBENHAUER, Pedro VAZ, Paul WEDRICH

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*Mar.2015*  
*Published* Cellular structures using  $U_q$ -tilting modules  
 Pacific J. Math. 292-1 (2018), 21–59.  
<http://arxiv.org/abs/1503.00224>  
 Authors: Henning H. ANDERSEN, Catharina STROPPEL, Daniel TUBBENHAUER

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*Jan.2015*  
*Published* Symmetric webs, Jones–Wenzl recursions and  $q$ -Howe duality  
 Int. Math. Res. Not. (IMRN), 2016-17 (2016), 5249–5290.  
<http://arxiv.org/abs/1501.00915>  
 Authors: David E.V. ROSE, Daniel TUBBENHAUER

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*Sep.2014*  
*Published* Diagram categories for  $U_q$ -tilting modules at roots of unity  
 Transform. Groups 22 (2017), no. 1, 29–89. <http://arxiv.org/abs/1409.2799>  
 Authors: Henning H. ANDERSEN, Daniel TUBBENHAUER

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*Apr.2014*  
*Preprint*  $\mathfrak{sl}_n$ -webs, categorification and Khovanov–Rozansky homologies  
<http://arxiv.org/abs/1404.5752>  
 Author: Daniel TUBBENHAUER

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*Oct.2013*  
*Published*  $\mathfrak{sl}_3$ -web bases, intermediate crystal bases and categorification  
 J. Algebraic Combin. 40-4 (2014), 1001–1076.  
<http://arxiv.org/abs/1310.2779>  
 Author: Daniel TUBBENHAUER

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*Jun.2012*

## The $\mathfrak{sl}_3$ web algebra

*Published*

Math. Z. 277-1-2 (2014), 401–479. <http://arxiv.org/abs/1206.2118>  
Authors: Marco MACKAAY, Weiwei PAN, Daniel TUBBENHAUER

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*Nov.2011*

## Virtual Khovanov homology using cobordisms

*Published*

J. Knot Theory Ramifications 23-9 (2014), 91 pages.  
<http://arxiv.org/abs/1111.0609>  
Author: Daniel TUBBENHAUER

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*2011-x*

## Eprints etc.

*Further*

See <http://www.dtubbenhauer.com/preprint.html>  
Author: Daniel TUBBENHAUER

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