

Curriculum vitae

- Studies in mathematics at the University Ludwig-Maximilian of Munich with a fellowship of DAAD (Deutscher Akademischer Austauschdienst)
- PhD 1991 at the University Ludwig-Maximilian of Munich
- 1992 – 2002: Research and teaching activity at the University Ludwig-Maximilian of Munich. During this period:
 - Habilitation (2000)
 - “Stipendium für exzellenten wissenschaftlichen Nachwuchs” (2001)
- Fellowship Ramon y Cajal at the Universitat Autònoma de Barcelona (2002)
- Associate Professor at Università degli Studi dell’Insubria, Varese (11/2002 - 9/2008)
- Associate Professor at Università degli Studi di Verona from October 2008
- Full Professor at Università degli Studi di Verona from November 2016

For details please see:

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Publications

- [1] L. ANGELERI HÜGEL: Die erste Schicht der präprojektiven Zerlegung, Doctoral Dissertation, München 1991.
- [2] L. ANGELERI HÜGEL: On the category $\mathcal{P}_1$ in the preprojective partition, *Communications in Algebra* **23** (1995), 57-80.
- [3] L. ANGELERI HÜGEL: $\mathcal{P}_1$ -hereditary artin algebras, *Journal of Algebra* **176** (1995), 460-479.
- [4] L. ANGELERI HÜGEL: Almost split sequences arising from the preprojective partition, *Journal of Algebra* **194** (1997), 1-13.
- [5] L. ANGELERI HÜGEL: On a preprojective $*$ -module, *Communications in Algebra* **25** (1997), 1143-1157.
- [6] L. ANGELERI HÜGEL, F. U. COELHO: Postprojective components for algebras with certain heredity conditions, *Archiv der Mathematik* **69** (1997), 1-7.
- [7] L. ANGELERI HÜGEL, F. U. COELHO: A note on a certain class of tilted algebras, in Proceedings of the VIIIth International Conference on Representation Theory of Algebras, Geiranger 1996, *Canadian Mathematical Society Conference Proceedings* **24** (1998), 1-6.
- [8] L. ANGELERI HÜGEL, F. U. COELHO: On the Auslander-Reiten-quiver of a $\mathcal{P}_1$ -hereditary artin algebra, *Journal of Pure and Applied Algebra* **151** (2000), 11-29.
- [9] L. ANGELERI HÜGEL, H. VALENTA: A duality result for almost split sequences, *Colloquium Mathematicum* **80** (1999), 267-292.
- [10] L. ANGELERI HÜGEL, A. TONOLO, J. TRLIFAJ: Tilting preenvelopes and cotilting precovers, *Algebras and Representation Theory* **4** (2001), 155-170.
- [11] L. ANGELERI HÜGEL, S. O. SMALØ: On real representations of quivers, *Colloquium Mathematicum* **81** (1999), 293-297.
- [12] L. ANGELERI HÜGEL: Finitely cotilting modules, *Communications in Algebra* **28** (2000), 2147-2172.

- [13]] L. ANGELERI HÜGEL, F. U. COELHO: Infinitely generated tilting modules of finite projective dimension, *Forum Mathematicum* **13** (2001), 239-250.
- [14]] L. ANGELERI HÜGEL, F. U. COELHO: Infinitely generated complements to partial tilting modules, *Mathematical Proceedings of the Cambridge Philosophical Society* **132** (2002), 89-96.
- [15]] L. ANGELERI HÜGEL: On the existence of left and right almost split morphisms, in “Representations of Algebras”, Marcel Dekker *Lecture Notes in Pure and Applied Mathematics* **224** (2002), 1-9.
- [16]] L. ANGELERI HÜGEL: Direct summands of products, *Archiv der Mathematik* **78** (2002), 12-23.
- [17]] L. ANGELERI HÜGEL, J. TRILFAJ: Tilting theory and the finitistic dimension conjectures, *Transactions of the American Mathematical Society* **354** (2002), 4345-4358.
- [18]] L. ANGELERI HÜGEL: Covers and envelopes via endoproperties of modules, *Proceedings of the London Mathematical Society* **86** (2003) 649-665.
- [19]] L. ANGELERI HÜGEL: Endocoherent modules, *Pacific Journal of Mathematics* **212** (2003), 1-11.
- [20]] L. ANGELERI HÜGEL, J. TRILFAJ: Direct limits of modules of finite projective dimension, in “Rings, Modules, Algebras, and Abelian Groups”, Marcel Dekker *Lecture Notes in Pure and Applied Mathematics* **236**, (2004), 27-44.
- [21]] L. ANGELERI HÜGEL, D. HERBERA, J. TRILFAJ: Tilting modules and Gorenstein rings, *Forum Mathematicum*, **18** (2006), 217-235.
- [22]] L. ANGELERI HÜGEL, D. HERBERA, J. TRILFAJ: Divisible modules and localization, *Journal of Algebra*, **294** (2005) 519-551.
- [23]] L. ANGELERI HÜGEL, M. SAORÍN, Modules with perfect decompositions, *Mathematica Scandinavica*, **98** (2006), 1-25.
- [24]] L. ANGELERI HÜGEL, A key module over pure-semisimple hereditary rings, *Journal of Algebra* **307** (2007), 361-376.
- [25]] L. ANGELERI HÜGEL, S. BAZZONI, D. HERBERA: A solution to the Baer splitting problem, *Transactions of the American Mathematical Society*, **360** (2008), 2409-2421.

- [26] L. ANGELERI HÜGEL, J. ŠAROCH, J. TRLIFAJ, On the telescope conjecture for module categories, *Journal of Pure and Applied Algebra* **212** (2008), 297-310.
- [27] L. ANGELERI HÜGEL, D. HERBERA: Mittag-Leffler conditions on modules, *Indiana University Mathematics Journal* **57** (2008), 2459-2518.
- [28] L. ANGELERI HÜGEL, O. MENDOZA, Homological dimensions in cotorsion pairs, *Illinois J. Math* **53** (2009), 251 - 263.
- [29] L. ANGELERI HÜGEL, J.A. DE LA PEÑA, Locally finitely generated modules over rings with enough idempotents, *Journal of Algebra and its Applications* **8** (2009), 885 - 901.
- [30] L. ANGELERI HÜGEL, S. BAZZONI, TTF triples in functor categories, *Applied Categorical Structures*, **18** (2010), 585–613.
- [31] L. ANGELERI HÜGEL, D. HERBERA, AND J. TRLIFAJ, Baer and Mittag-Leffler modules over tame hereditary artin algebras, *Mathematische Zeitschrift* **265** (2010), 1-19.
- [32] L. ANGELERI HÜGEL, O. KERNER, J. TRLIFAJ, Large tilting modules and representation type, *Manuscripta Mathematica* **132** (2010), 483–499.
- [33] L. ANGELERI HÜGEL, S. KÖNIG, Q. LIU, Recollements and tilting objects, *Journal of Pure and Applied Algebra* **215** (2011), pp. 420-438.
- [34] L. ANGELERI HÜGEL, J. SÁNCHEZ, Tilting modules arising from ring epimorphisms, *Algebras and Representation Theory* **14** (2011), 217-246.
- [35] L. ANGELERI HÜGEL, D. HERBERA, Auslander-Reiten-components over pure-semisimple hereditary rings, *Journal of Algebra* **331** (2011), 285-303.
- [36] L. ANGELERI HÜGEL, S. KÖNIG, Q. LIU, D. YANG, Stratifying derived module categories, *Comptes Rendus Mathématique*, **349** (2011), 1139–1144.
- [37] L. ANGELERI HÜGEL, M. ARCHETTI, Tilting modules and universal localization, *Forum Mathematicum* **24** (2012), 709–731.
- [38] L. ANGELERI HÜGEL, S. KÖNIG, Q. LIU, Jordan-Hölder theorems for derived module categories of piecewise hereditary algebras, *Journal of Algebra*, **352** (2012), 361-381.
- [39] L. ANGELERI HÜGEL, S. KÖNIG, Q. LIU, On the uniqueness of stratifications of derived module categories, *Journal of Algebra* **359** (2012), 120137.

- [40] L. ANGELERI HÜGEL, Infinite dimensional tilting theory, *Advances in Representation Theory of Algebras*, Bielefeld 2012, EMS Series of Congress Reports (editors D. J. Benson, H. Krause, A. Skowronski) 2013, pp.1-37.
- [41] L. ANGELERI HÜGEL, J. SÁNCHEZ, Tilting modules over tame hereditary algebras, *Journal für die Reine und Angewandte Mathematik* **682** (2013), 1–48.
- [42] L. ANGELERI HÜGEL, D. POSPÍŠIL, J. ŠŤOVÍČEK, J. TRLIFAJ, Tilting, cotilting, and spectra of commutative noetherian rings, *Transactions of the American Mathematical Society* **366** (2014), 3487–3517.
- [43] L. ANGELERI HÜGEL, M.SAORÍN, t-structures and cotilting modules over commutative noetherian rings, *Mathematische Zeitschrift* **277** (2014), 847–866.
- [44] L. ANGELERI HÜGEL, F. MARKS, J. VITÓRIA, Silting modules, *International Mathematics Research Notices* **2016** (4) (2016), 1251-1284.
- [45] L. ANGELERI HÜGEL, F. MARKS, J. VITÓRIA, Silting modules and ring epimorphisms, *Advances in Mathematics* **303** (2016), 1044–1076.
- [46] L. ANGELERI HÜGEL, S. KÖNIG, Q. LIU, D. YANG, Ladders and simplicity of derived module categories, *Journal of Algebra* **472** (2017), 15–66.
- [47] L. ANGELERI HÜGEL, S. KÖNIG, Q. LIU, D. YANG, Recollements and stratifying ideals, *Journal of Algebra* 484 (2017), 47–65.
- [48] L. ANGELERI HÜGEL, D. KUSSIN, Tilting and cotilting modules over concealed canonical algebras, *Mathematische Zeitschrift* **285** (2017), 821–850.
- [49] L. ANGELERI HÜGEL, D. KUSSIN, Large tilting sheaves over weighted noncommutative regular projective curves, *Documenta Mathematica* **22** (2017), 67–134.
- [50] L. ANGELERI HÜGEL, M. HRBEK, Silting modules over commutative rings, *International Mathematics Research Notices* **2017**(13) (2017), 4131–4151.
- [51] L. ANGELERI HÜGEL, F. MARKS, J. VITÓRIA, Torsion pairs in silting theory, *Pacific Journal of Mathematics*, **291-2** (2017), 257–278.
- [52] L. ANGELERI HÜGEL, J. ŠAROCH, J. TRLIFAJ, Approximations and Mittag-Leffler conditions – the applications, *Israel Journal of Mathematics* **226**(2) (2018), 757–780.
- [53] L. ANGELERI HÜGEL, On the abundance of silting modules, *Surveys in representation theory of algebras*, *Contemporary Mathematics* **716** Amer. Math. Soc., Providence, RI (2018), 1–23.

- [54]] L. ANGELERI HÜGEL, F. MARKS, J. VITÓRIA, A characterisation of τ -tilting finite algebras, *Contemporary Mathematics* **730** Amer. Math. Soc., Providence, RI (2019), 75–89.
- [55]] L. ANGELERI HÜGEL, Silting objects, *Bulletin of the London Mathematical Society* **51** (2019), 658–690.
- [56]] L. ANGELERI HÜGEL, F. MARKS, J. VITÓRIA, Partial silting objects and smashing subcategories, *Mathematische Zeitschrift* **296** (2020), 887–900.
- [57]] L. ANGELERI HÜGEL, F. MARKS, J. ŠTOVÍČEK, R. TAKAHASHI, J. VITÓRIA, Flat ring epimorphisms and universal localisations of commutative rings. *The Quarterly Journal of Mathematics* **71** (2020), 1489–1520.
- [58]] L. ANGELERI HÜGEL, M. HRBEK, Parametrizing torsion pairs in derived categories, *Representation Theory* **25** (2021), 679–731
- [59]] L. ANGELERI HÜGEL, W. CAO, Minimal silting modules and ring extensions, *Science China Mathematics* **65** (2022), 1775–1794.
- [60]] L. ANGELERI HÜGEL, I. HERZOG, R. LAKING, Simples in a cotilting heart, *Mathematische Zeitschrift* (2024), **307**:12.
- [61]] L. ANGELERI HÜGEL, F. SENTIERI, Wide coreflective subcategories and torsion pairs, *Journal of Algebra* **664** (2025), 164–205.
- [62]] L. ANGELERI HÜGEL, R. LAKING, J. ŠTOVÍČEK, J. VITÓRIA, Mutation and torsion pairs, to appear in *Algebra and Number Theory* **19** (2025), No. 7, 1313–1368.
- [63]] L. ANGELERI HÜGEL, M. LANZILOTTA, J. LIU, S. TREPODE, Endomorphism algebras of silting complexes, *Journal of Algebra* **677** (2025), 497515.
- [64]] L. ANGELERI HÜGEL, D. PAUKSZTELLO AND J. VITÓRIA, Fishing for complements, *Nagoya Mathematical Journal* **261:e5** (2026), 1–26

Books:

- [65]] L. ANGELERI HÜGEL: On some precovers and preenvelopes, Habilitationsschrift, Hieronymus München 2000, ISBN 3-89791-137-X.
- [66]] L. ANGELERI HÜGEL, H. KRAUSE AND D. HAPPEL (EDITORS): *Handbook of Tilting Theory*, London Mathematical Society Lecture Notes Series **332**, Cambridge University Press (2006), ISBN 0-521-68045-X.

- [67] L. ANGELERI HÜGEL, B. KELLER, M.J. REDONDO, A. SOLOTAR (EDITORS): *Representations of Algebras and Related Topics*. Proceedings of the Workshop and the 20th International Conference on Representations of Algebras, ICRA 2022, Montevideo, Uruguay and Buenos Aires, Argentina, 312 August 2022. EMS Series of Congress Reports, 2025.

Book reviews:

- [67] L. ANGELERI HÜGEL, Henning Krause: “Homological Theory of Representation”, Jahresbericht der Deutschen Mathematiker-Vereinigung (2022) **124**, 267272

Citations: please see

MathSci <http://www.ams.org/mathscinet/search/author.html?mrauthid=358523>) or
Scopus <https://www.scopus.com/authid/detail.uri?authorId=6602338696>

Preprints:

see <http://profs.sci.univr.it/~angeleri/publ.html>

Research

My research area is representation theory of algebras. In recent years I've been working in tilting theory, a homological technique that allows to define equivalences between different mathematical categories and that is employed in various areas, ranging from Lie theory to algebraic geometry and topology and theoretical physics. I'm particularly interested in the interplay between tilting and localization of abelian or triangulated categories and in silting theory. Please see also <http://profs.sci.univr.it/~angeleri/research.html>.

- Scientific coordinator of
 - LAVIE (Fondo Italiano per la Scienza FIS-2021)
 - SQUARE (PRIN-2022)
 - Fun-Silting (H2020-MSCA-IF-2017), researcher: R. Laking, 2019-2020,
 - TTinDmod (FP7-PEOPLE-2012-IEF), researcher: J. Vitória, 2013-2015;
 - REDCOM, Fondazione Cariverona, Ricerca Scientifica di Eccellenza, 2020-2022;
 - Local Unit of CARTHA (PRIN-2017, national coordinator A. Facchini), 2019-2022;
 (for details see <http://profs.scienze.univr.it/~angeleri/projects.html>)
- principal investigator of three research grants by the Bavarian Ministry of Education and a *Ràmon-y-Cajal*-Fellowship by the Spanish Ministry of Science and Technology; participant in Italian PRIN projects, projects of the Spanish Ministry of Science and Technology, grants of the University of Padova and a Progetto di Eccellenza della Fondazione Cariparo; member of the Steering Committee of “Network on Silting Theory” funded by DFG (Deutsche Forschungsgemeinschaft);
- scientific coordinator of several post-doctoral fellowships (J. Sánchez, University of Insubria; D. Kussin, J. Vitória, D. Pauksztello, T. Nakamura, L. Rubio y De Grassi, A. Rapa, R. Laking, F. Sentieri, A. Cipriani, A. Barbieri, D. Murphy, University of Verona); host of a postdoctoral fellowship of DAAD (Deutscher Akademischer Austauschdienst) inside the program PRIME (researcher: F. Marks); supervisor of PhD-theses (M. Archetti, University of Milan; A. Rapa, F. Bonometti, F. Sentieri, D. Barcelò, A. Dallinger, T.B. Braathen, Interuniversity PhD-Program Trento-Verona) and several bachelor and master theses;
- invited speaker at more than 60 international conferences or schools;
- scientific coorganizer of several international conferences;
- coorganizer of Seminario Padova - Verona MALGA (Moduli, Algebre, Anelli) <https://www.malga.art/seminar/>.
- Member of the Editorial Board of Journal of Pure and Applied Algebra, Annals of Representation Theory, Applied Categorical Structures.
- Referee for several mathematical journals, reviewer for “Mathematical Reviews” (1996–2013).

Invited talks or lecture series at conferences/schools (from 2015):

- Spectra in Representation Theory of Algebras and Related Topics, Osaka/online 12/2025
- ARTA X -Advances in Representation Theory of Algebras, Cologne, 9/2025
- Algebra and Representation Theory in Germany ARTIG 5, Bonn, 2/2025
- Triangulated categories in algebra and geometry, Prague, 9/2024
- Simple-mindedness, silting and stability, Ambleside, 7/2024
- Joint perspectives in geometry, algebra and topology, CRM Barcelona, 7/2024
- Homological Algebra and Representation Theory, Samos, 7/2023
- I Seminari del Centenario - Incontri Scientifici UMI, Messina, 6/7/2023
- Representation Theory of Quivers and Finite Dimensional Algebras, Mathematisches Forschungsinstitut Oberwolfach, 2/2023
- A path in algebra, Padova, 10/2022
- Representation Theory and Triangulated Categories, Bielefeld, 9/2022
- ISM Discovery School on Mutations, Montréal, online, 7/2022 (lecture series)
- Abel Symposium Triangulated categories in representation theory and beyond, Alesund, 6/2022
- Øyvind 60, Trondheim, 6/2022
- Advances in Representation Theory of Algebras VIRT-ARTA, online, 5/2021
- Additive categories between algebra and functional analysis, Sherbrooke, online, 3/2021 (lecture series)
- Flash talks in representation theory at NTNU, online, 8/1/2021
- Birthday Colloquium for Bill Crawley-Boevey, online, 10/9/2020
- Rings, modules, and approximations, Prague, Czech Republic, 1/2020
- Geometric Methods in Representation Theory, Missouri-Columbia, 11/2019 (lecture series)
- Two weeks of silting, Stuttgart, Summer School and Conference, 8/2019 (lecture series)
- Interactions between Representation Theory, Algebraic Topology and Commutative Algebra, Barcelona, 10-14/7/2019
- Advances in Representation Theory of Algebras (ARTA VII), UNAM, Mexico, 9/2018
- XXXI Jornada de Matemática de la Zona Sur, Valdivia, Chile, 4/2018
- Some trends in algebra STA2017, Prague, 9/2017
- Coloquio Latinoamericano de Álgebra (CLA), Quito, 8/2017
- Model Theory of Modules, Algebras and Categories (MOTMAC2017), Erice, Italy, 7/2017
- New trends in representation theory: the impact of cluster theory on representation theory, LMS-CMI Research School, University of Leicester, 6/2017 (lecture series)
- Idun 75, NTNU Trondheim, 5/2017

- Representation Theory of Quivers and Finite Dimensional Algebras, Mathematisches Forschungsinstitut Oberwolfach, 2/2017
- Infinite-dimensional Representations of Finite-dimensional Algebras, Manchester, 9/2015
- Opening Perspectives in Algebra, Representations, and Topology OP-ART, Centre de Recerca Matemàtica Barcelona, 5/2015
- Maurice Auslander Distinguished Lectures and Conference, Cape Cod, 4/2015
- On the Interaction of Representation Theory with Geometry and Combinatorics, Hausdorff Research Institute Bonn, 3/2015

Organization of meetings

- *Twenty Years of Tilting Theory*, Fraueninsel, Germany, 18–22/11/2002 (with Dieter Happel, Henning Krause)
- Workshop *New trends in infinite dimensional tilting theory*, Varese, 13–15/4/2005
- “Module theory and representation theory of algebras”, *Joint Mathematical Weekend of the European Mathematical Society and the Societat Matemàtica Catalana*, Barcelona, 16–18/9/2005 (with Dolors Herbera)
- *Interactions between representation theory and commutative algebra*, Centre de Recerca Matemàtica Barcelona, 25–27/9/2008 (with Dolors Herbera, Henning Krause)
- Mini-Workshop *Localising and Tilting in Abelian and Triangulated Categories*, Mathematisches Forschungsinstitut Oberwolfach, 12–18/5/2013 (with Steffen König, Changchang Xi)
- *Algebraic Structures and their Applications*, Abbazia di Spineto, 15–20/6/2014 (with Silvana Bazzoni, Dikran Dikranian, Alberto Tonolo)
- *Tilting theory and related topics*, Verona 2–4/7/2015 (with Francesca Mantese, Jorge Vitória)
- *Conference on Triangulated Categories in Algebra, Geometry and Topology*, 14–18/3/2016, University of Stuttgart (with Steffen König, Frederik Marks, Wolfgang Rump, Jorge Vitória)
- *International Conference on Representations of Algebras ICRA 2018*, Prague, 8–17/8/2018 (member of the scientific committee)
- *Isfahan School and Conference on Representations of Algebras*, 7–19/4/2019 (member of the scientific committee)
- *International Conference on Representations of Algebras ICRA 2020*, online, 9–27/11/2020 (with Aslak Buan, Gustavo Jasso, Henning Krause, Rosanna Laking, Øyvind Solberg)
- *A conference in celebration of the 60th Birthday of Bill Crawley-Boevey*, Manchester, 6–10/9/2021 (member of the scientific committee)
- *International Conference on Representations of Algebras ICRA 2022*, Montevideo e Buenos Aires, 3–12/8/2022 (member of the scientific committee)
- *Tilting Theory, Algebras and Representations*, Prague, 12/6–9/2022 (member of the scientific committee)

- *Categories, Rings and Modules, a conference in honour of Alberto Facchini*, Padova, 27-28/1/2023
- *XXII Congresso UMI, Sezione Algebra*, Pisa, 4-9/9/2023
- *Trends in Representation Theory and Related Topics*, Cluj-Napoca, 12-16/9/2023 (member of the scientific committee)
- *Purity, Approximation Theory and Spectra*, Grand Hotel San Michele, Cetraro, Italy, 12-18/5/2024
- *International Conference on Representations of Algebras ICRA 2024*, Shanghai, 31/7-9/8/2024 (member of the scientific committee)
- *Topological and Geometrical Methods in Representation Theory*, Verona 15/11/2024
- *Symposium on Quivers, Algebras and Representation Theory SQUARE*, Trento, 23-27/6/2025
- *International Conference on Representations of Algebras ICRA 2026*, Grenoble, 22/6-3/7/2026 (member of the scientific committee)

Teaching experience

More than 30 courses at the University of Verona, about 20 courses at the University of Insubria, about 20 courses or exercises classes at the University of Munich, minicourses at Universitat Autònoma de Barcelona, University of Milan, University of Padova.

Administration

- Vice-Rector for International Relations of the University of Verona 2013-2019
- Director of the INdAM Research Unit at the University of Verona 2014-2023

Member of Unione Matematica Italiana, Deutsche Mathematische Vereinigung, European Women in Mathematics, Seminario Matematico e Fisico di Milano, Carathéodory-Gesellschaft München.

Verona, January 2026