

List of publications

Priv.-Doz. Dr. Thorsten Lisker

SUBMITTED TO PEER REVIEWED JOURNALS

- (47) Wittmann, C., **Lisker, T.**, Pasquali, A., Hilker, M., Grebel, E. K. *Peculiar compact stellar systems in the Fornax cluster*. Monthly Notices of the Royal Astronomical Society, submitted
- (46) Iodice, E., Capaccioli, M., Grado, A., Limatola, L., Spavone, M., et al. (incl. **Lisker, T.**) *The Fornax Deep Survey with VST. I. The extended and diffuse stellar halo of NGC 1399 out to 191 kpc*. Astrophysical Journal, submitted
- (45) **Lisker, T.**, Wittmann, C., Pasquali, A., Hilker, M., Grebel, E. K., Venhola, A. *Deep optical imaging of the Fornax cluster core: A search for tidal streams and ultra-diffuse galaxies*. Astronomy & Astrophysics, submitted

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- (44) Smith, R., Sánchez-Janssen, R., Beasley, M. A., Candlish, G. N., Gibson, B. K., et al. (incl. **Lisker, T.**) 2015. *The sensitivity of harassment to orbit: mass loss from early-type dwarfs in galaxy clusters*. Monthly Notices of the Royal Astronomical Society, 454, 2502
- (43) Ryś, A., Koleva, M., Falcón-Barroso, J., Vazdekis, A., **Lisker, T.**, Peletier, R. F., van de Ven, G. 2015. *Virgo cluster and field dwarf ellipticals in 3D - III. Spatially and temporally resolved stellar populations*. Monthly Notices of the Royal Astronomical Society, 452, 1888
- (42) Bialas, D., **Lisker, T.**, Olczak, C., Spurzem, R., Kotulla, R. 2015. *On the occurrence of galaxy harassment*. Astronomy & Astrophysics, 576, 103
- (41) Toloba, E., Guhathakurta, P., Boselli, A., Peletier, R. F., Emsellem, E., **Lisker, T.**, et al. 2015. *Stellar Kinematics and Structural Properties of Virgo Cluster Dwarf Early-Type Galaxies from the SMAKCED Project. III. Rotation versus Pressure Support*. Astrophysical Journal, 799, 172
- (40) Kim, S., Rey, S.-C., Jerjen, H., **Lisker, T.**, Sung, E.-C., et al. 2014. *The Extended Virgo Cluster Catalog*. Astrophysical Journal Supplement, 215, 22
- (39) Toloba, E., Guhathakurta, P., Peletier, R. F., Boselli, A., **Lisker, T.**, et al. 2014. *Stellar Kinematics and Structural Properties of Virgo Cluster Dwarf Early-Type Galaxies from the SMAKCED Project. II. The Survey and a Systematic Analysis of Kinematic Anomalies and Asymmetries*. Astrophysical Journal Supplement, 215, 17
- (38) Pak, M., Rey, S.-C., **Lisker, T.**, Lee, Y., Kim, S., Sung, E.-C., Jerjen, H., Chung, J. 2014. *The properties of early-type galaxies in the Ursa Major cluster*. Monthly Notices of the Royal Astronomical Society, 445, 630
- (37) Paudel, S., **Lisker, T.**, Hansson, K. S. A., Huxor, A. P. 2014. *An isolated, compact early-type galaxy with a diffuse stellar component: merger origin?* Monthly Notices of the Royal Astronomical Society, 443, 446
- (36) Janz, J., Laurikainen, E., **Lisker, T.**, Salo, H., Peletier, R. F., et al. 2014. *A Near-Infrared Census of the Multi-Component Stellar Structure of Early-Type Dwarf Galaxies in the Virgo Cluster*. Astrophysical Journal, 786, 105
- (35) Toloba, E., Guhathakurta, P., van de Ven, G., Boissier, S., Boselli, A., et al. (incl. **Lisker, T.**) 2014. *Stellar Kinematics and Structural Properties of Virgo Cluster Dwarf*

- Early-Type Galaxies from the SMAKCED Project. I. Kinematically Decoupled Cores and Implications for Infallen Groups in Clusters.* Astrophysical Journal, 783, 120
- (34) Meyer, H. T., **Lisker, T.**, Janz, J., Papaderos, P. 2014. *What will blue compact dwarf galaxies evolve into?* Astronomy & Astrophysics, 562, A49
- (33) Lieder, S., Mieske, S., Sánchez-Janssen, R., Hilker, M., **Lisker, T.**, Tanaka, M. 2013. *A Normal Abundance of Faint Satellites in the Fossil Group NGC 6482.* Astronomy & Astrophysics, 559, A76
- (32) **Lisker, T.**, Weinmann, S., Janz, J., Meyer, H. T. 2013. *Dwarf galaxy populations in present-day galaxy clusters: II. The history of early-type and late-type dwarfs.* Monthly Notices of the Royal Astronomical Society, 432, 1162
- (31) Hansson, K. S. A., **Lisker, T.**, Grebel, E. K. 2012. *Observed versus modelled u,g,r,i,z-band photometry of local galaxies - Evaluation of model performance.* Monthly Notices of the Royal Astronomical Society, 427, 2376
- (30) Graham, A. W., Spitler, L. R., Forbes, D. A., **Lisker, T.**, Moore, B., Janz, J. 2012. *LEDA 074886: A Remarkable Rectangular-looking Galaxy.* Astrophysical Journal, 750, 121
- (29) Janz, J., Laurikainen, E., **Lisker, T.**, Salo, H., Peletier, R. F., et al. 2012. *Dissecting Early-type Dwarf Galaxies into Their Multiple Components.* Astrophysical Journal Letters, 745, L24
- (28) Lieder, S., **Lisker, T.**, Hilker, M., Misgeld, I., Durrell, P. 2012. *A deep view on the Virgo cluster core.* Astronomy & Astrophysics, 538, 69
- (27) Weinmann, S., **Lisker, T.**, Guo, Q., Meyer, H. T., Janz, J. 2011. *Dwarf galaxy populations in present-day galaxy clusters: I. Abundances and red fractions.* Monthly Notices of the Royal Astronomical Society, 416, 1197
- (26) Paudel, S., **Lisker, T.**, Kuntschner, H. 2011. *Nuclei of early-type dwarf galaxies: insights from stellar populations.* Monthly Notices of the Royal Astronomical Society, 413, 1764
- (25) Cisternas, M., Jahnke, K., Inskip, K. J., Kartaltepe, J., Koekemoer, A. M., et al. (incl. **Lisker, T.**) 2011. *The Bulk of the Black Hole Growth Since $z \sim 1$ Occurs in a Secular Universe: No Major Merger-AGN Connection.* Astrophysical Journal 726, 57
- (24) Paudel, S., **Lisker, T.**, Janz, J. 2010. *Nuclei of Early-type Dwarf Galaxies: Are They Progenitors of Ultracompact Dwarf Galaxies?* Astrophysical Journal Letters 724, L64
- (23) Kim, S., Rey, S.-C., **Lisker, T.**, Sohn, S. T. 2010. *Color-Magnitude Relations of Early-type Dwarf Galaxies in the Virgo Cluster: An Ultraviolet Perspective.* Astrophysical Journal Letters 721, L72
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- (20) Ferreras, I., Pasquali, A., Malhotra, S., Rhoads, J., Cohen, S., et al. (incl. **Lisker, T.**) 2009. *Early-Type Galaxies in the PEARS Survey: Probing the Stellar Populations at Moderate Redshift.* Astrophysical Journal 706, 158
- (19) Koester, D., Voss, B., Napiwotzki, R., Christlieb, N., Homeier, D., **Lisker, T.**, Reimers, D., Heber, U. 2009. *High-resolution UVES/VLT spectra of white dwarfs observed for*

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- (18) Ferreras, I., **Lisker, T.**, Pasquali, A., Khochfar, S., Kaviraj, S. 2009. *On the formation of massive galaxies: A simultaneous study of number density, size and intrinsic color evolution in GOODS.* *Monthly Notices of the Royal Astronomical Society* 396, 1573
 - (17) **Lisker, T.** & Fuchs, B. 2009. *On the nature of IC 3328, an early-type dwarf galaxy with weak spiral structure.* *Astronomy & Astrophysics* 501, 429
 - (16) Janz, J. & **Lisker, T.** 2009. *On the color-magnitude relation of early-type galaxies.* *Astrophysical Journal Letters* 696, L102
 - (15) Ferreras, I., **Lisker, T.**, Pasquali, A., Kaviraj, S. 2009. *Exploring the formation of spheroidal galaxies out to $z \sim 1.5$ in GOODS.* *Monthly Notices of the Royal Astronomical Society* 395, 554
 - (14) Janz, J. & **Lisker, T.** 2008. *The sizes of early-type galaxies.* *Astrophysical Journal Letters* 689, L25
 - (13) **Lisker, T.** 2008. *Is the Gini coefficient a stable measure of galaxy structure?* *Astrophysical Journal Supplement* 179, 319
 - (12) **Lisker, T.** & Han, Z. 2008. *Stellar age versus mass of early-type galaxies in the Virgo cluster.* *Astrophysical Journal* 680, 1042
 - (11) **Lisker, T.**, Grebel, E. K., Binggeli, B. 2008. *Virgo cluster early-type dwarf galaxies with the Sloan Digital Sky Survey. IV. The color-magnitude relation.* *Astronomical Journal* 135, 380
 - (10) **Lisker, T.**, Grebel, E. K., Binggeli, B., Glatt, K. 2007. *Virgo cluster early-type dwarf galaxies with the Sloan Digital Sky Survey. III. Subpopulations: distributions, shapes, origins.* *Astrophysical Journal* 660, 1186
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 - (8) Stroerer, A., Heber, U., **Lisker, T.**, Napiwotzki, R., Dreizler, S., Christlieb, N., Reimers, D. 2007. *Hot subdwarfs from the ESO Supernova Ia Progenitor Survey: II. Atmospheric parameters of subdwarf O stars.* *Astronomy and Astrophysics* 462, 269
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 - (3) Ferreras, I., **Lisker, T.**, Carollo, C. M., Lilly, S. J., Mobasher, B. 2005. *Evolution of Field Early-Type Galaxies: The View from GOODS CDFS.* *Astrophysical Journal* 635, 243

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- (1) Heber, U., Edelmann, H., **Lisker, T.**, Napiwotzki, R. 2003. *Discovery of a helium-core white dwarf progenitor*. *Astronomy & Astrophysics* 411, L477

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- (24) **Lisker, T.** 2011. *Early-Type Dwarf Galaxies*. In *A Universe of Dwarf Galaxies*, eds. M. Koleva, Ph. Prugniel, & I. Vauglin, EAS Publications Series, 48, 171
- (23) Janz, J. & **Lisker, T.** 2011. *From Virgo Cluster Early-Type Dwarfs to Giants*. In *A Universe of Dwarf Galaxies*, eds. M. Koleva, Ph. Prugniel, & I. Vauglin, EAS Publications Series, 48, 203
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- (21) Paudel, S. & **Lisker, T.** 2011. *Stellar Population Properties of UCDs and Early-Type Dwarf Nuclei*. In *A Universe of Dwarf Galaxies*, eds. M. Koleva, Ph. Prugniel, & I. Vauglin, EAS Publications Series, 48, 249
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- (15) Janz, J. & **Lisker, T.** 2009. *A continuum of structure and stellar content from Virgo cluster early-type dwarfs to giants?* *Astronomische Nachrichten* 330, 948
- (14) **Lisker, T.**, Grebel, E. K., Binggeli, B., Vodička, M., Glatt, K., Westera, P. 2007. *The many faces of early-type dwarf galaxies*. In *IAU Symposium 241: Stellar Populations as Building Blocks of Galaxies*, eds. A. Vazdekis & R. F. Peletier, 409
- (13) **Lisker, T.**, Debattista, V. P., Ferreras, I., Erwin, P. 2006. *Finding Double-Barred Galaxies with HST*. In *IAU Symposium 235: Galaxy Evolution Across the Hubble Time*, eds. F. Combes & J. Palous, 117
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