

Curriculum Vitae

Dr. Andreas Kaufer

Employment History

Feb., 2008 – present	:	ESO Director of Operations
Oct., 2009 – Sept., 2011	:	Acting Division Head of the ESO ALMA Support Centre
July, 2006 – July, 2024	:	Division Head and Director of the La Silla Paranal Observatory
Oct., 2003 – June, 2006	:	Instrumentation Scientist La Silla Paranal Observatory Head of the Paranal Instrumentation Group
May, 1999 – Sept., 2003	:	VLT Operation Staff Astronomer UVES, FLAMES instrument scientist Head of the General Operations Group
May, 1999 – present	:	Staff Member of the European Southern Observatory
Sept., 1996 – Apr., 1999	:	Research Assistant at the Landessternwarte Heidelberg Project Responsible for the FEROS instrument
Sept., 1993 – Aug., 1996	:	Research Fellow at the Landessternwarte Heidelberg

Academic Record

August, 2004	:	Full Astronomer of the ESO Faculty
May, 1999	:	Assistant Astronomer of the ESO Faculty
September, 1996	:	Research Assistant at the Landessternwarte Heidelberg
July, 1996	:	Ph.D. in Physics & Astronomy at University Heidelberg. Ph.D. thesis: 'The Structure and Variability of BA-type Supergiants'
August, 1993	:	Diplom-Physiker at University Heidelberg Diploma thesis: 'The Galactic Abundance Gradients'

Professional Associations

Member of the International Astronomical Union (IAU),
Member of the German Astronomical Society (AG), and
Member of the German Society for Physics (DPG).

Languages

German	:	native speaker
English	:	everyday competence
Spanish	:	everyday conversation

Committees

ESO:

Expert to the CTAO ERIC Council (2025 – present),
 Chair ESO Indefinite Appointment Advisory Board (IAAB) (2020 – 2021),
 Observer at the CTAO (gGmbH) Council (2019 – 2024),
 Assessor to the ALMA Board (2018 – present),
 Observer at the ALMA Board (2010 – 2017),
 Observer at the APEX Board (2018 – 2024),
 Member of the APEX Board (2006 – 2018),
 Member of the ESO-Chile Joint Committee (2006 – present),
 Member of the ESO Scientific Personnel Committee (2006 – 2019),
 (Co-)Chair of the Organizing Committee for the 2007 and 2017 'ESO Calibration Workshop'.

Others:

Member of the NSF NOIRLab Funding Review Board 2022,
 Member of the TMT Operations Management Plan Review Board 2021,
 Chair of the SKA Business Enabling Plan Review Board 2020,
 Member of the SKA Operations Plan Review Board 2020,
 Member of the GMT Operations Plan Review Board 2019,
 Chair of the SKA Operations Model Review Board 2018,
 Member of the IRAM Visiting Committee 2018,
 Member of the NSF LIGO Operations Review Board 2018,
 Member of the NSF LIGO Operations and Maintenance Review Board 2017,
 Member of the Keck Observatory Operations Review Board 2017,
 Member of the SKA Operations Concept Review Board 2016,
 Member of the NSF NRAO Management and Operations Review Board 2015,
 Member of the AUI/NRAO Programme Review Board 2014,
 Member of the NSF NOAO Management and Operations Review Board 2014,
 Member of the SKA Science and Engineering Advisory Committee (SEAC) (2013 – 2024),
 Member of the CTA Site Selection Advisory Committee (2013 – 2014).

Publications

Dr. Andreas Kaufer

Refereed Papers

GRAVITY Collaboration, Abd El Dayem, K., Abuter, R., Aimar, N., Amaro Seoane, P., Amorim, A., Beck, J., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Capuzzo Dolcetta, R., Clénet, Y., Davies, R., de Zeeuw, P. T., Drescher, A., Eckart, A., Eisenhauer, F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Foschi, A., Gao, F., Garcia, P., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Heißel, G., Henning, T., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Urso, I., Vincent, F., von Fellenberg, S. D., Widmann, F., Wieprecht, E., Woillez, J., & Zhang, F. 2024, Improving constraints on the extended mass distribution in the Galactic center with stellar orbits, *A&A*, 692, A242

GRAVITY Collaboration, Foschi, A., Abuter, R., Abd El Dayem, K., Aimar, N., Amaro Seoane, P., Amorim, A., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Davies, R., de Zeeuw, P. T., Defrère, D., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Förster Schreiber, N. M., Garcia, P. J. V., Genzel, R., Gillessen, S., Gomes, T., Haubois, X., Heißel, G., Henning, T., Jochum, L., Jocou, L., **Kaufer, A.**, Kreidberg, L., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., Millour, F., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straubmeier, C., Sturm, E., Subroweit, M., Tacconi, L. J., Vincent, F., von Fellenberg, S., & Woillez, J. 2024, Using the motion of S2 to constrain vector clouds around Sgr A*, *MNRAS*, 530, 3740

GRAVITY Collaboration, Abuter, R., Amorim, A., Benisty, M., Berger, J. P., Bonnet, H., Bourdarot, G., Bourget, P., Brandner, W., Clénet, Y., Davies, R., Delplancke-Ströbele, F., Dembet, R., Drescher, A., Eckart, A., Eisenhauer, F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Garcia, P., Garcia-Lopez, R., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Henning, T., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Ledoux, C., Léna, P., Lutz, D., Mang, F., Mérand, A., More, N., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Woillez, J., Yazici, S., & Zins, G. 2024, Astrometric detection of a Neptune-mass candidate planet in the nearest M-dwarf binary system GJ65 with VLTI/GRAVITY, *A&A*, 685, L9

Abuter, R., Allouche, F., Amorim, A., Bailet, C., Berdeu, A., Berger, J.-P., Berio, P., Bigioli,

A., Boebion, O., Bolzer, M.-L., Bonnet, H., Bourdarot, G., Bourget, P., Brandner, W., Cao, Y., Conzelmann, R., Comin, M., Clénet, Y., Courtney-Barrer, B., Davies, R., Defrère, D., Delboulbé, A., Delplancke-Ströbele, F., Dembet, R., Dexter, J., de Zeeuw, P. T., Drescher, A., Eckart, A., Édouard, C., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Garcia, P., Garcia Lopez, R., Gao, F., Gendron, E., Genzel, R., Gil, J. P., Gillessen, S., Gomes, T., Gonté, F., Gouvret, C., Guajardo, P., Guieu, S., Hackenberg, W., Haddad, N., Hartl, M., Haubois, X., Haußmann, F., Heißel, G., Henning, T., Hippler, S., Hönig, S. F., Horrobin, M., Hubin, N., Jacqmart, E., Jocou, L., **Kaufer, A.**, Kervella, P., Kolb, J., Korhonen, H., Lacour, S., Lagarde, S., Lai, O., Lapeyrère, V., Laugier, R., Le Bouquin, J.-B., Leftley, J., Léna, P., Lewis, S., Liu, D., Lopez, B., Lutz, D., Magnard, Y., Mang, F., Marcotto, A., Maurel, D., Mérand, A., Millour, F., More, N., Netzer, H., Nowacki, H., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Paumard, T., Perraut, K., Perrin, G., Petrov, R., Pfuhl, O., Poiré, N., Rabien, S., Rau, C., Riquelme, M., Robbe-Dubois, S., Rochat, S., Salman, M., Sanchez-Bermudez, J., Santos, D. J. D., Scheithauer, S., Schöller, M., Schubert, J., Schuhler, N., Shangguan, J., Shchekaturov, P., Shimizu, T. T., Sevin, A., Soulez, F., Spang, A., Stadler, E., Sternberg, A., Straubmeier, C., Sturm, E., Sykes, C., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Uysal, S., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., & Zins, G. 2024, A dynamical measure of the black hole mass in a quasar 11 billion years ago, *Nature*, 627, 281

Foschi, A., Abuter, R., Aimar, N., Amaro Seoane, P., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Defrère, D., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Ferreira, M. C., Förster Schreiber, N. M., Garcia, P. J. V., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gomes, T., Habibi, M., Haubois, X., Heißel, G., Henning, T., Hippler, S., Hönig, S. F., Horrobin, M., Jochum, L., Jocou, L., **Kaufer, A.**, Kervella, P., Kreidberg, L., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Millour, F., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Sykes, C., Tacconi, L. J., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., & GRAVITY Collaboration 2024, Correction to: Using the motion of S2 to constrain scalar clouds around Sgr A*, *MNRAS*, 528, 3549

GRAVITY Collaboration, Widmann, F., Haubois, X., Schuhler, N., Pfuhl, O., Eisenhauer, F., Gillessen, S., Aimar, N., Amorim, A., Bauböck, M., Berger, J. B., Bonnet, H., Bourdarot, G., Brandner, W., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eckart, A., Feuchtgruber, H., Schreiber, N. M. F., Garcia, P., Gendron, E., Genzel, R., Hartl, M., Haußmann, F., Heißel, G., Henning, T., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jocou, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Rabien, S., Ribeiro, D., Bordoni, M. S., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S. D., Wieprecht, E., Wiezorrek, E., & Woillez, J. 2024, Polarization analysis of the VLTI and GRAVITY, *A&A*, 681, A115

Foschi, A., Abuter, R., Aimar, N., Amaro Seoane, P., Amorim, A., Bauböck, M., Berger, J. P.,

Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Defrère, D., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Ferreira, M. C., Förster Schreiber, N. M., Garcia, P. J. V., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Gomes, T., Habibi, M., Haubois, X., Heißel, G., Henning, T., Hippler, S., Hönig, S. F., Horrobin, M., Jochum, L., Jocu, L., **Kaufer, A.**, Kervella, P., Kreidberg, L., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Millour, F., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Sykes, C., Tacconi, L. J., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Wozorrek, E., Woillez, J., & GRAVITY Collaboration 2023, Using the motion of S2 to constrain scalar clouds around Sgr A*, *MNRAS*, 524, 1075

GRAVITY Collaboration, Abuter, R., Aymar, N., Amaro Seoane, P., Amorim, A., Bauböck, M., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eckart, A., Eisenhauer, F., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Foschi, A., Garcia, P., Gao, F., Gelles, Z., Gendron, E., Genzel, R., Gillessen, S., Hartl, M., Haubois, X., Haussmann, F., Heißel, G., Henning, T., Hippler, S., Horrobin, M., Jochum, L., Jocu, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., More, N., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Widmann, F., Wielgus, M., Wieprecht, E., Wozorrek, E., & Woillez, J. 2023, Polarimetry and astrometry of NIR flares as event horizon scale, dynamical probes for the mass of Sgr A*, *A&A*, 677, L10

GRAVITY Collaboration, Straub, O., Bauböck, M., Abuter, R., Aymar, N., Amaro Seoane, P., Amorim, A., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eisenhauer, F., Förster Schreiber, N. M., Foschi, A., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, T., Hippler, S., Horrobin, M., Jochum, L., Jocu, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Ribeiro, D. C., Sadun Bordoni, M., Scheithauer, S., Shangguan, J., Shimizu, T., Stadler, J., Straubmeier, C., Sturm, E., Tacconi, L. J., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Wozorrek, E., Woillez, J., & Yazici, S. 2023, Where intermediate-mass black holes could hide in the Galactic Centre. A full parameter study with the S2 orbit, *A&A*, 672, A63

GRAVITY+ Collaboration, Abuter, R., Allouche, F., Amorim, A., Baillet, C., Bauböck, M., Berger, J.-P., Berio, P., Bigioli, A., Boebion, O., Bolzer, M. L., Bonnet, H., Bourdarot, G., Bourget, P., Brandner, W., Clénet, Y., Courtney-Barrer, B., Dallilar, Y., Davies, R., Defrère, D., Delboulbé, A., Delplancke, F., Dembet, R., de Zeeuw, P. T., Drescher, A., Eckart, A., Édouard, C., Eisenhauer, F., Fabricius, M., Feuchtgruber, H., Finger, G., Förster Schreiber, N. M., Garcia, E., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gil, J. P., Gillessen, S., Gomes, T., Gonté, F., Gouvret, C., Guajardo, P., Guieu, S., Hartl, M., Haubois, X., Haussmann, F., Heißel, G., Henning, T., Hippler, S., Hönig, S., Horrobin, M.,

Hubin, N., Jacqmart, E., Jochum, L., Jocou, L., **Kaufer, A.**, Kervella, P., Korhonen, H., Kreidberg, L., Lacour, S., Lagarde, S., Lai, O., Lapeyrère, V., Laugier, R., Le Bouquin, J.-B., Leftley, J., Léna, P., Lutz, D., Mang, F., Marcotto, A., Maurel, D., Mérand, A., Millour, F., More, N., Nowacki, H., Nowak, M., Oberti, S., Ott, T., Pallanca, L., Pasquini, L., Paumard, T., Perraut, K., Perrin, G., Petrov, R., Pfuhl, O., Pourré, N., Rabien, S., Rau, C., Robbe-Dubois, S., Rochat, S., Salman, M., Schöller, M., Schubert, J., Schuhler, N., Shangguan, J., Shimizu, T., Scheithauer, S., Sevin, A., Soulez, F., Spang, A., Stadler, E., Stadler, J., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Uysal, S., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Young, A., & Zins, G. 2022, First light for GRAVITY Wide. Large separation fringe tracking for the Very Large Telescope Interferometer, *A&A*, 665, A75

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GRAVITY Collaboration, Abuter, R., Aimar, N., Amorim, A., Ball, J., Bauböck, M., Berger, J. P., Bonnet, H., Bourdarot, G., Brandner, W., Cardoso, V., Clénet, Y., Dallilar, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Drescher, A., Eisenhauer, F., Förster Schreiber, N. M., Focchi, A., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, T., Hippler, S., Horrobin, M., Jochum, L., Jocou, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Shangguan, J., Shimizu, T., Scheithauer, S., Stadler, J., Stephens, A. W., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., & Young, A. 2022, Mass distribution in the Galactic Center based on interferometric astrometry of multiple stellar orbits, *A&A*, 657, L12

GRAVITY Collaboration, Abuter, R., Aimar, N., Amorim, A., Arras, P., Bauböck, M., Berger, J. P., Bonnet, H., Brandner, W., Bourdarot, G., Cardoso, V., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Dallilar, Y., Drescher, A., Eisenhauer, F., Enßlin, T., Förster Schreiber, N. M., Garcia, P., Gao, F., Gendron, E., Genzel, R., Gillessen, S., Habibi, M., Haubois, X., Heißel, G., Henning, T., Hippler, S., Horrobin, M., Jiménez-Rosales, A., Jochum, L., Jocou, L., **Kaufer, A.**, Kervella, P., Lacour, S., Lapeyrère, V., Le Bouquin, J.-B., Léna, P., Lutz, D., Mang, F., Nowak, M., Ott, T., Paumard, T., Perraut, K., Perrin, G., Pfuhl, O., Rabien, S., Shangguan, J., Shimizu, T., Scheithauer, S., Stadler, J., Straub, O., Straubmeier, C., Sturm, E., Tacconi, L. J., Tristram, K. R. W., Vincent, F., von Fellenberg, S., Waisberg, I., Widmann, F., Wieprecht, E., Wiezorrek, E., Woillez, J., Yazici, S., Young, A., & Zins, G. 2022, Deep images of the Galactic center with GRAVITY, *A&A*, 657, A82

GRAVITY Collaboration, Abuter, R., Amorim, A., Bauböck, M., Baganoff, F., Berger, J. P., Boyce, H., Bonnet, H., Brandner, W., Clénet, Y., Davies, R., de Zeeuw, P. T., Dexter, J., Dallilar, Y., Drescher, A., Eckart, A., Eisenhauer, F., Fazio, G. G., Förster Schreiber, N. M., Foster, K., Gammie, C., Garcia, P., Gao, F., Gendron, E., Genzel, R., Ghisellini, G., Gillessen, S., Gurwell, M. A., Habibi, M., Haggard, D., Hailey, C., Harrison, F. A., Haubois,

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