impuls academy | competition | events

impuls . 11th International Ensemble and Composers Academy for

Contemporary Music

February 10th to 22nd, 2019

KUG . University of Music and Dramatic Arts Graz and other locations in Graz

impuls . Composition Workshops

Vienna/Graz, February 9th to 14th, 2019

6th impuls . Festival

February 10th to 21st, 2019

KUG, Helmut List Hall, Großer Minoritensaal, MUMUTH, esc, Forum Stadtpark,

kunst.wirt.schaft, MUWA, galleries and other Locations in Graz

impuls . Composition Competition

Founded by Beat Furrer and Ernst Kovacic back in 1998, impuls, **the international Ensemble and Composers Academy for Contemporary Music**, has by now developed into one of the internationally leading institutions in this field. With instrumental classes and ensemble playing, composition classes and multifarious special offers such as reading-sessions with Klangforum Wien, Another Stage or Music Extended, with various Calls for Score, electronic and improvisation workshops, and many other programs, the impuls Academy provides a high quality training and a holistic approach to contemporary music both in a theoretical and a practical way – to young musicians and composers from Austria, but also from all over the world. Over a period of nearly 14 days impuls hereby creates an important platform for learning and represents a valuable basis for international exchange and networking. A team of international tutors, consisting of top-musicians and, likewise, most renowned composers, hereby guarantees utmost quality in guiding the highly motivated and by themselves already highly qualified young artists on their way to become both competent and authentic ambassadors for the music of our times.

impuls promotes and supports young composers not only at its Academy, but also through the international **impuls Composition Competition**. Every second year impuls organises a competition, commissions new works for ensemble from the composers selected and invites them to work with Klangforum Wien, one of the world's leading ensembles. Five new compositions derived out of this program also for 2019, the premieres are scheduled for 15.2. at the impuls Festival. Furthermore the interested audiences may also learn more about the composers and their works at several music communication programs: On 13.2. at an open rehearsal at Klangforum Proberaum in Vienna followed by a talk with the composers, musicians and the conductor (moderation: Doris Weberberger, mica), on 15.2. at a Composers' Talk directly before the premieres (moderated by conductor Ilan Volkov) as well as on 17.2. at Composers in Dialogue, where the new works will be discussed in depth and put in context with the overall compositorial and artistic approaches of the young composers.

Already for the 6th time the **impuls Festival** presents contemporary music at various, quite diverse stages and venues also apart from traditional concert settings in Graz. From February 10th to 21st formats such as Music Salons within the informal framework of kunst.wirt.schaft, Late Nights at Forum Stadtpark, MinuteConcerts in Galleries, presentations of partly intermedial special projects at places such as Museum der Wahrnehmung and esc medien kunst labor, concerts in the marvellous ambient of the baroque Minoritensaal and at Kunstuniversität Graz, amongst others, await you, and so do large ensemble projects at MUMUTH and Helmut List Halle. With close to 200

works, all composed in the 20th and 21st century, and improvisations alike internationally renowned top interpreters as well as several formations of young musicians will give an intense inside view in the richness and diversity of contemporary music – amongst them: Klangforum Wien, Ensemble Nikel, Ensemble Schallfeld, zone expérimentale basel, IEMA-Ensemble and many more musicians and composers, who, coming from more than 50 nations, gather in Graz for impuls for close to 14 days. Lectures, discussions, composers' talks and many more music communication programs hereby enhance the impuls Festival program and the Academy alike. This way new music, be it classical modern or most current one, can be experienced first hand both in theory and practice, discourse and sound.

In addition to the Academy and Festival impuls occasionally offers short workshops for young musicians residing in Austria and provides a stage for them through formats such as the impuls MinuteConcerts. impuls also initiates interdisciplinary projects such as Text im Klang, commissions compositions and enjoys cooperation networks to stage concerts and education programs together with other art organisations – one of them being the European network-project Ulysses impuls is part of since 2012.

Some more hard facts on impuls 2019



* Close to **270 regular Academy participants** and several other **invited composers** and **external participants** coming from **4 continents** and more than **50 nations** were accepted to the 11th International Ensemble and Composers Academy for Contemporary Music in 2019 (this is more than tripple the size compared to 2009 and a plus of 15% compared to 2017); in general: again strong rise of both applications in general and participants accepted in the end, again also good mix of participants from Austria (approx. 15%) and abroad. Out of the 268 regular participants 113 were female (85 male and 37 female composers, 69 male and 75 female musicians, 1 female and 1 male conductor)



impuls participants / Peter Rundel at rehearsals_Fotos: Arnold Haberl

* The **Academy offers** could once more be **enlarged** (with 40 tutors for composition and instrumental classes as well as classes for electronics, improvisation, yoga and intermedia projects amongst others, plus additional

other lecturers and conductors. For the first time impuls could also offer instrumental classes for bassoon and horn.

* Several **new special programs** were developed and the cooperation in between **composer** and **interpreter** intensified once more – amongst them: Special for Composers and Accordionists (with Bernhard Gander and Krassimir Sterev), Another Stage (with Jorge Sánchez-Chiong), Extended Percussion Composition (with Michael Maierhof and Christian Dierstein), Music Extended (with Simon Løffler), ALMAT (with David Pirró, Hanns Holger Rutz and Robin Minard), Micro-Music-Lab (with Dmitri Kourliandski and Mats Scheidegger), ... Besides various **call for scores** were set up (such as Voice_Noise_Toys, Viola Combined, Piano + ... as well as for harp, koto and various ensembles), **readingsessions** with Klangforum Wien and other ensembles installed and **workshops** for example on Percussion (with Christian Dierstein), Piano Preparation (with Andreas Orasch), Bassoon Playing Techniques (Johannes Schwarz) or a Notation Seminar (with Clemens Merkel) offered.



impuls participants at rehearsals / score_Fotos: Arnold Haberl

* impuls is partner of the **European Project Ulysses** (running for another 4 years until 2020 after a first successful period already from 2012-16) and realised **several special projects** within this network also in 2019 (Young Ensembles in Residency: Ensemble Schallfeld and IEMA Ensemble + Music Extended + Extended Percussion Composition + CinemaScope Music + Ulysses Journeys for Musicians, Composers and Conductors).

* Besides **individual** and **group lessons** as well as **chamber music** and **ensemble work** also **lectures**, **discussions** and **presentations** (for example Digital Sound Library for instruments or Surviving as a composer) took place, **special topics** (f. e. free improvisation - instant composing, augmented instruments, music and film...) were discussed, a **jour fix for composers** was installed and **lectures** on various theoretical topics (f.e. Before the sound, Composition as articulation of listening, Composing silence) were held on a daily basis. For the fifth time **daily improvisation classes** and modules including lectures were offered and possibilities for presentations at various concerts organised.



impuls participants / Bernhard Gander / Volkmar Klien / Peter Rundel_Fotos: Arnold Haberl

* **40 Tutors: Tutors Composition Classes**: Mark Andre | Pierluigi Billone | Beat Furrer | Bernhard Gander | Clara Iannotta | Dmitri Kourliandski | Simon Løffler | Michael Maierhof | Isabel Mundry | Alberto Posadas | Jorge Sánchez-Chiong | Agata Zubel

+ **Tutors Instrumental Classes:** Alessandro Baticci, flute | Saar Berger, horn, brass | Dario Calderone, double bass | Anna D'Errico, piano | Christian Dierstein, percussion | Andreas Fischer, voice, vocal ensemble | William Forman, trumpet, brass | Eva Furrer, flute | Nicolas Hodges, piano | Ernst Kovacic, violin | Andreas Lindenbaum, cello | Clemens Merkel, violin | Lars Mlekusch, saxophone | Ernesto Molinari, clarinet | Dimitrios Polisoidis, viola | Ernest Rombout, oboe | Mats Scheidegger, guitar | Johannes Schwarz, bassoon | Krassimir Sterev, accordion | Geneviève Strosser, viola | Mike Svoboda, trombone, brass | Agata Zubel, voice

+ **Tutors Improvisation:** Frank Gratkowski | Reinhold Friedl

+ Tutors Electronics: Robin Minard | David Pirrò | Hanns Holger Rutz

+ Tutor Yoga: Eva Furrer

+ **Ensembles:** Trio Abstrakt | IEMA Ensemble 2018/19 | Klangforum Wien | Ensemble Kymatic | Ensemble Nikel | Ensemble Schallfeld | zone expérimentale basel | instrumental- and vocal ensembles impuls 2019

+ **Conductors:** Ernst Kovacic | Lars Mlekusch | Peter Rundel | Ilan Volkov a.o.

+ **Music Communication Programs:** Reinhold Friedl | Joan Gómez Alemany | Frank Gratkowski | Clara Iannotta | Volkmar Klien | Martyna Kosecka | Matthias Kranebitter | Yoav Levy | Michael Maierhof | Isabel Mundry | Idin Samimi Mofakham | Astrid Schwarz | Johannes Schwarz | Doris Weberberger a.m.o.

+ **Film + Fine Artists:** Peter Tscherkassky | Mehraneh Atashi | Angelika Loderer Nikola Markovic a.m.o.

+ Composers of the impuls Composition Competition: Nuno Costa |
Timothy McCormack | Jung-Eun Park | Chris Swithinbank | Hakan Ulus
+ Composers with Ulysses Commissions: Clara Iannotta | Mirela Ivičević |
Simon Løffler | Julien Malaussena

+ **Ulysses Journey Composers + Conductors:** Michael Taplin | Lauri Supponen + Yalda Zamani | Musashi Baba

+ **Ulysses Journey Musicians:** Sophia Goidinger-Koch | Jonathan Heilbron | Joe Mumm | Peng-Hui Wang

+ Ulysses Ensemble in Residency: IEMA Ensemble 2018/19 | Ensemble Schallfeld

<mark>impuls</mark> festival

* Already for the **sixth time** the **impuls Festival** offered a versatile **daily concert and discourse program** enriching and perfecting also the offers at the impuls Academy. **Graz** again was turned into a **festival city** and a center of contemporary music and the arts, offering various possibilities to a broadening audience with open ears to experience **new and contemporary music** at various, quite **diverse stages** and venues also apart from traditional concert settings.



impuls MinuteConcert at Künstlerhaus / impuls Concert at MUMUTH_Fotos: Arnold Haberl

* **12 days** with **concerts** of both **young and internationally renowned musicians** and **composers**, newly established formations as well as already existing **ensembles** such as Klangforum Wien, Ensemble Schallfeld, Ensemble Nikel, IEMA Ensemble and zone exérimentale basel * 12 days with performances, installations and presentations of special projects such as Another Stage, Music Extended, Percussion Extended or Algorithm that Matters, special formats like Salon Concerts and Late Nights, several hours long MarathonConcerts, the MinuteConcerts taking place at various galleries day and night, or A Day on Campus and in the City with concerts and presentations all around the clock from 10 am to 10 pm both at the university, venues in the city and in public space), and more than 40 lectures, discussions, reading-sessions, composers' talks and many other music communication programs



impuls MinuteConcerts at various venues_Fotos: Arnold Haberl

* Premières, most recent contemporary compositions – amongst others also impuls commissions – as well as compositions of the 20th century at various concerts with works by more than 186 composers

Rakhat-Bi Abdyssagin | Asia Ahmetjanova | Mark Andre | Louis Andriessen | Georges Aperghis | Alyssa Aska | Alessandro Baticci | Martin Rane Bauck | Jaime Belmonte Caparrós | George Benjamin | Guy Ben-Tov | Luciano Berio | Pierluigi Billone | Wojtek Blecharz | Mattia Bonafini | Dahae Boo | Maja Bosnić | Pierre Boulez | Blair Boyd | Anthony Braxton | Simone Cardini | Elliott Carter | Alicia Champlin | Nuno Costa | George Crumb | Misha Cvijovic | Jaume Darbra Fa | Loïc Destremau | Stylianos Dimou | Francisco Domínguez | Franco Donatoni | Severin Dornier | Pietro Dossena | Simon Eastwood | Julia Emmery | Ray Evanoff | Farzia Fallah | Zacharias Faßhauer | Brian Ferneyhough | Francesco Filidei | Luca Francesconi | Stanley Friedman | Beat Furrer | Marco Gaietta | Bernhard Gander | Brian Garbet | Vinko Globokar | Joan Gómez Alemany | Pablo Andoni Gómez Olabarría | Frank Gratkowksi | Jonathan Heilbron | Hans Werner Henze | Carlos Gerardo Hernández Canales | Angel Hernández Lovera | Heinz Holliger | Toshio Hosokawa | Klaus K. Hübler | Clara Iannotta | Mirela Ivičević | Zhuosheng Jin | Jaeyeon Jo | Pierre Jodlowski | Jinwook Jung | Asli Kobaner | Martyna Kosecka | György Kurtág | Helmut Lachenmann | Bernhard Lang | Klaus Lang | Deok-Vin Lee | Yongbom Lee | Yoav Levy | Györgi Ligeti | Simon Løffler |

Martin Loridan | Witold Lutosławski | Bruno Maderna | Claus-Steffen Mahnkopf | Michael Maierhof | Julien Malaussena | Callum Mallett | Bruno Mantovani | Yan Maresz | Đorđe Markovic | Philipp Christoph Mayer | Timothy McCormack | Alfonso Mendoza Covarrubias | Thierry de Mey | Leonardo Mezzalira | Vladica Mikićević | Alessandro Milia | Robin Minard | Yukari Misawa | Ernesto Molinari | Marco Momi | Giulia Monducci | Luca Morino | Nicholas Moroz | Thea Musgrave | Olga Neuwirth | Jieun Noh | Samir Odeh-Tamimi | Isandro Ojeda-García | Joan Jordi Oliver Arcos | Yoshiaki Onishi | Younghi Pagh-Paan | Jung-Eun Park | Soyeon Park | Eduardo Partida | Tim Pauli | Paolo Pecin | Krzysztof Penderecki | Omar Peracha | Gonzalo Pérez | Wingel Gilberto Pérez Mendoza | Udi Perlman | Piotr Peszat | Matthias Pintscher | David Pirrò | Maurizio Pisati | Enno Poppe | Alberto Posadas | Daniele Pozzi | Javier Quislant | Jeremy Rapaport-Stein | Jakub Rataj | Steve Reich | Dmitry Remezov | Martin Ritter | Fausto Romitelli | Pablo Rubino Lindner | Frederic Rzewski | Kaija Saariaho | Yui Sakagoshi | Mauro Saleri | Viva Sanchez Reinoso | Jorge Sánchez-Chiong | José M. Sánchez-Verdú | Rebecca Saunders | Giacinto Scelsi | Mathias Johannes Schmidhammer | Dieter Schnebel | Arnold Schönberg | Florian Schwamborn | Salvatore Sciarrino | Stefano Scodanibbio | Markus Sepperer | Mateo Servián Sforza | Elnaz Seyedi | Eyal Shani | Laura Shipsey | Matthew Shlomowitz | Leonardo Silva | Bekah Simms | Aled Smith | Marta Śniady | Kate Soper | Miroslav Srnka | Simon Steen-Andersen | Márcio Steuernagel | Karlheinz Stockhausen | Adrian Suárez | Lauri Supponen | Chris Swithinbank| Michael Taplin | Samuel Toro Pérez | Andreas Trenkwalder | Lorenzo Troiani | Hakan Ulus | Claude Vivier | Milica Vujadinovic | Jennifer Walshe | Tianyi Wang | Andrew Watts | Dakota Wayne | Alyssa Weinberg | Christian Winther Christensen | Seiji Yokokawa | Jeeyoung Yoo | Jon Yu | Isang Yun | Rafal Zalech | Dong Zhou | John Zorn | Agata Zubel | Raimonda Žiūkaitė

and **improvisations** by more than 20 musicians: Jacqueline Gemperli | Sophia Goidinger-Koch | Frank Gratkowski | Zacharias Faßhauer | Reinhold Friedl | Philipp Kienberger | Jasmin Leung | Lixue Lin-Siedler | Margarethe Maierhofer-Lischka | Dariya Maminova | Michele Mazzini | Yukari Misawa | Sylvain Monchocé | Léa Moullet | Shan Ni | Talvi Nurgamaa | Michael Roessler | Cristina Scapol | Markus Sepperer | Eleftheria Togia | Pascal Zurek (in total 111 world premieres plus 7 Austrian first nights; altogether 288 works including 9 improvisations performed in public; on top of that further works were rehearsed during the Academy)



Jorge Sánchez-Chiong / impuls participants at various performances_Fotos: Arnold Haberl

* With **performances** and **installation pieces** that were all conceived during the special program Another Stage, Music Extended, Percussion Extended and ALMAT, CinemaScope Music with Ensemble Nikel and experimental films by Peter Tscherkassky and concerts placed at various galleries and art institutions in Graz impuls also enforced the **link of music and the visual arts**.



Ensemble Nikel_Film by Peter Tscherkassky_ Foto: IMD Kristof Lemp

* impuls programs at **various loacions**: KUG Brandhofgasse | KUG . Aula | KUG . MUMUTH | KUG . Palais Meran | KUG . Florentinersaal | KUG . Reiterkaserne | Helmut List Halle | Großer Minoritensaal | esc medien kunst labor | Kulturzentrum bei den Minoriten | Künstlerhaus – Halle für Kunst & Medien | Grazer Kunstverein | kunst.wirt.schaft | Forum Stadtpark | gebhart blazek . berber carpets + textiles | Haus der Architektur | MUWA . Museum der Wahrnehmung | < rotor > Zentrum für zeitgenössische Kunst ... and throughout the City of Graz ...

* **cooperations & networks** amongst others with: KUG | IEM | partners within the European Network Ulysses (such as Gaudeamus | Flagey | IMD | Ircam |

Opus XXI | Royaumont | Time of Music ...) | Klangforum Wien | Ernst Krenek Forum | mica | open music | esc medien kunst labor | Forum Stadtpark | kunst.wirt.schaft | MUWA – Museum der Wahrnehmung | as well as many more international networks (amongst others with international Universities and Academies, Competitions and Festivals, various music organisation, ensembles and individuals ...)

* **Strong interest of the public/audience** coming from Austria but also abroad (including international journalists and an EU-delegation) especially for the opening and final concerts, premieres with Klangforum Wien and impuls MinuteConcerts, but also for all other programs, festival activities and smaller formats



Fotos: Arnold Haberl

* **Strong appreciation of the media:** Numerous articles and announcements in specialist periodicals as well as monthly and weekly magazines, TV-reports (ORF, 3-SAT) and several radio-reports (for example on ORF Stmk. and Ö1, Radio Helsinki, ...); numerous articles and announcements in daily newspapers throughout Austria (Kronen Zeitung, Kleine Zeitung, Salzburger Nachrichten, Kurier ...); high internet appearance and reports on various homepages (amongst others of mica, Kulturserver Graz, Steirische Tourismus GmbH as well as through homepages and newsletters of numerous international impuls cooperation partners) and internet blogs and magazines ... In addition to that the ORF recorded and transmitted the opening concert on February 10th and the premieres of impuls commissions on February 15th.

impuls competition

* Within the impuls Festival 2019 five **new impuls commissions** by young composer **Nuno Costa** (*1986, Portugal), **Timothy McCormack** (*1984, USA), **Jung-Eun Park** (*1986, South Korea), **Chris Swithinbank** (*1988, Luxembourg/The Netherlands/United Kingdom) and **Hakan Ulus** (*1991, Germany) were **premiered** in Graz on **February 15th**. All these composers had been selected through the international **impuls Composition Competition** already back in 2017 and invited to take part in the **impuls Composition Workshop** with **Klangforum Wien** and **Ilan Volkov** before the premieres and performances of their pieces. In addition to that they were invited to join the impuls Academy 2019, present themselves and their work in public at various talks and other **music communication programs** and also profit from the Academy by meeting up with participants and tutors.



Wien_Foto Lukas Beck

In 2018 another edition of the international impuls Composition

Competition was set up by impuls. In February 2019 a jury consisting of both composers and musicians (Pierluigi Billone, Bernhard Gander, Vera Fischer, Dmitri Kourliandski, Mikael Rudolfsson) selected five composers out of close to a hundred applications sent in from various nations and four continents: **Ole Hübner** (*1993, Germany), **Alexander Kaiser** (*1985, Italy), **Emre Sihan Kaleli** (*1987, Turkey), **Sonja Mutić** (*1984, Serbia/Croatia) and **Yiqing Zhu** (*1989, China/Germany). These composers will take part in the **upcoming impuls Composition Workshop** in Vienna and Graz with Klangforum Wien coming along with **commissions** to write new pieces for this most prestigous ensemble to be **premiered in 2021** in Graz during the impuls Festival 2021.



impuls as partner and part of a new edition of the **European Project Ulysses** (running for another 4 years until 2020 after a first successful period from 2012-16) realised **several special projects** within this network also in 2019. * Thus – in addition to various Academy ensembles and groups formed on spot – with **Ensemble Schallfeld** and **IEMA Ensemble** two already existing ensembles were invited as **Young Ensembles in Residency** and included both in the Academy and Festival. Where Ensemble Schallfeld was working on and performing mainly pieces by composition tutors of the impuls Academy, IEMA Ensemble was offering reading sessions of works from composer participants of the Academy selected through a call for scores, performing pieces by already renowned composers, working together with other Academy participants, and of course also profiting from the offers and impuls Academy tutors on spot.



Ensemble Schallfeld_Foto Wolfgang Silveri

* Renowned **Ensemble Nikel** in turn staged **Cinemascope Music**, a multistage project initiated by impuls, that involves several Ulysses-partners and enjoys already presentations beyond the Ulysses-Network. The young but already internationally successful composers **Mirela Ivičević** and **Julien Malaussena** (impuls), Javier Elipe Gimeno and Ariadna Alsina (IRCAM), Boris Bezemer and Mikołaj Laskowski (Gaudeamus) as well as Clara Iannotta and Simon Løffler (IMD) were **commissioned by impuls** and its partners to write new compositions for the experimental films of Austrian filmmaker **Peter** **Tscherkassky** – in specific for his internationally praised CinemaScope Trilogy, for which he has received multiple awards. Furthermore impuls offered a **call** for even younger composers and premiered two more compositions for the shortest of the three films. **Clara Iannotta** and **Simon Løffler** were also included in the team of the Academy as tutors and all composers presented also offered a free **discussion** on their works and approaches to film.

* As contribution to the Ulysses program **Ulysses Journeys for Musicians,** Composers and Conductors impuls invited 7 more young artists (Yalda Zamani, conductor + Lauri Supponen, composer + Michael Taplin, composer + Sophia Goidinger-Koch, violin + Jonathan Heilbron, double bass + Joe Mumm, trombone + Peng-Hui Wang, bassoon) and - beyond offering special support by the impuls tutors - got them involved in **various activities**: In this train young conductor Yalda Zamani for example worked with and conducted Bernhard Gander, Lauri Supponen engaged in the special Extended Percussion Composition and premiered a new work, Michael Taplin did so in the frameworks of the specials Composers meet Accordionists and Viola Combined, ... and of course also the musicians profited both from the offers of the Academy and presented themselves in various projects during the impuls Festival. * impuls also developed and set up two special workshop programs within the frame of Ulysses: Extended Percussion Composition with Michael Maierhof and Christian Dierstein circled around the central question, how percussion could be defined in the 21st century and which current forms and materials coin composition for percussion instruments nowadays. 10 intense days of individual and group work units lead to 2 breathtaking performances of pieces by 10 selected **composers** (Mattia Bonafini, Blair Boyd, Maja Bosnić, Loïc Destremau, Simon Eastwood, Farzia Fallah, Zhuosheng Jin, Alfonso Mendoza, Mateo Servián Sforza, Lauri Supponen) and **percussionists** participanting in the impuls Academy.



Extended Percussion Composition_Lauri Supponen_Foto: Arnold Haberl

* Simon Løffler in turn led the Workshop Extended Composition, a special program designed not only for composers, but also musicians, performers, sound- and multimedia-artists, organized as Workshop and Laboratory for experimentation as well as realization of individual and group-projects integrating aspects such as visual, performative, installative, ..., and also electronically driven ones. 10 artists (Asia Ahmetjanova, Martin Rane Bauck, Jacobo Hernández Enríquez, Asli Kobaner, Deok-Vin Lee, Yukari Misawa, Eduardo Partida, Yui Sakagoshi, Laura Shipsey, Marta Śniady) were selected for this special and presented the impressive results at the impuls Festival as well. Besides nearly all partners of the Ulysses-Network came together for a two-day-meeting in Graz in February and visited several productions of the impuls Festival.

For the rest of the year impuls is preparing for the next edition of the impuls Academy, Festival and Competition and finalises a new EU-application with the Ulysses-Network-Partners.

For 2020 additional workshops, concerts and music communication programs such as the impuls MinuteConcerts in Galleries in spring 2020 as well as Text im Klang are in planning.

www.impuls.cc

Das Land GRAZ schweizer kulturstiftung orschelvetia MUWA B MUWA In cooperation with the University of Music and



Fotos if not mentioned otherwhise by Arnold Haberl