OPEN CALL
Artistic Residencies
Immersive Sound
New Media
Laboratory
– Tonarium™
Katowice, Poland

Tonarium

Tonarium stands out as a hub for creativity and innovation in the field of music, utilizing cutting-edge technologies to provide unparalleled creative possibilities for both artists and researchers. Created in collaboration with Soundscape Foundation and the Academy of Fine Arts in Katowice, the Tonarium has become an integral part of the largest musical experiment in Poland. Such a partnership is a rarity among academic institutions in Poland, making Tonarium a pivotal and pioneering initiative in the country's cultural landscape.

Concert summarizing Aleksandra Słyż's residency, ph. Kacper Krzętowski, 2023

Immersive Sound System

The laboratory features a custom-designed sound system from a renowned german company Fohhn. It consists of a 32-channel dome array and four independent subwoofers. All of this is complemented by an innovative interface called "Tonarium" allowing artists to manage the entire system from a custom-made analog console and a computer. The interface also facilitates build in fluid control voltage, OSC and MIDI conversion enhancing the versatility of artistic expression. The software for the system - SPAT Revolution - was supplied by Flux Immersive, and it's a modern version of original SPAT software, developed at IRCAM in Paris since the 1990s.

Analog modular systems & more

The "Tonarium" is originally connected to two analog modular systems – one based on SERGE Random*Source modules and the second one on BugBrand modules, providing an additional layer of possibilities for artists. This integration expands the creative potential of Tonarium, offering an unique combination of modern technology and classic analog sound.
Additionally, we boast an extensive collection – a wide array of classical synthesizers, both analog and digital.

Recording, Mixing & Mastering Studio

Tonarium boasts a cutting-edge recording studio with an SSL AWS 948 Delta mixing console and the ATMOS 7.1.4 sound system. The primary monitoring system features renowned ATC speakers, accompanied by dedicated subwoofers, guaranteeing meticulous and high-fidelity audio monitoring. This configuration ensures that artists can immerse themselves in their creative process with exceptional clarity and detail. The modern recording facility at Tonarium provides artists with an outstanding audio environment for capturing and refining their creative expressions.

The Residency

Tonarium is located in the Academy of Fine Arts in Katowice (50 Raciborska Street, 40-074 Katowice) – only 5h drive from Berlin!

Our artist residency program is open to all kinds of ideas. Before you come, we can talk through the concept you would like to develop, so that we can prepare a space specifically for your needs.

Our basic offer includes:
* introduction to the Tonarium, SPAT software and our immersive soundsystem;
* full-time hardware / software technical support;
* studio time (recording, mixing and mastering studio);
* raw multichannel recording for the artist's use;
* professional WIP photo session for the artist and our promotional use.

Your residency can end with a concert organized by us with audience participation. The event will be included in our calendar and promoted through our channels.

Schedule options:
Thursday – Monday from 8 AM to 8 PM (or longer if needed)
Tuesday – Wednesday Lab is closed for our research

Costs:
hourly rate including senior spatial sound engineer – 100EUR*
* minimum residency time 20 hours, hourly rate may change in time

Contact us

If you are intrested in our offer, please contact Tonarium's project manager:
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www.fundacjasoundscape.pl/en
www.instagram.com/fundacjasoundscape

Soundscape

Tonarium space is managed by the Soundscape Foundation. We are academic researchers, music producers, designers, photo/video artists and project managers.

Our daily research work at Tonarium includes:
* creation of new musical and sound forms – using fully advanced methods of spatialization;
* realistic reconstruction of acoustic spaces for performative and scientific activities;
* creation of improvised electronic concerts with dynamic improvised 3D effects;
* prototyping new methods of spatialization and sound composition;
* creation of theatrical and performative performances, radio plays, and therapy sessions in the Laboratory, which would use dynamic voice localization, sound effects, layering and live processing;
* developing cybernetic systems of control, self-regulation and feedback interaction using modern technology in a multi-channel listening space;
* spatial audio synthesis.

Your main interest may be completely different, but we would be happy to learn more and develop your concepts together.

RECORDING STUDIO

MIXING DESK:
SSL AWS 948 Delta

MAIN AD/DA CONVERTERS
& SOFTWARE:
Apogee Symphony MKII
+ 2x 8x8+8MP Card
Apogee Symphony
MKII 32x32 PT HD
Trinnov D-Mon
ProTools Ultimate 64Ch

COMPRESSORS:
Empirical Labs Distressor
EL8 (2 pc.)
Looptrotter Monster
Looptrotter Emperor
Purple Audio MC77
Shadow Hills Mastering
Compressor + power supply
Manley Variable MU
Compressor/Limiter Mastering
Tube-Tech Cl-1B
Bettermaker Mastering
Equalizer
Retro Instruments Sta-Level
Chandler Limited RS 124 (2 pc.)

EQUALIZERS:
Pulse Techniques
EQM-1S3 (2 pc.)
API Audio 5500 Dual Equalizer
Chandler Limited Curve
Bender EQ + power supply

PREAMPS:
API 512c (2 pc.)
Chandler Limited
Germanium (2 pc.)
Chandler Limited TG-2 (2 pc.)
Neve 1073 (3 pc.)
Shadow Hills Mono GAMA

MICROPHONES:
AKG C414 XLII (pair)
AKG D 112
Audix i5
Neumann U87 (vintage)
Oktava MK 319
Sennheiser MD-421 (3 pc.)
Sennheiser SM-81 (3 pc.)
Shure Beta 52
Shure Beta 91A
Shure SM57 (2 pc.)
Shure SM7B (2 pc.)
Chandler Limited
REDD Microphone
Neumann U67 Set
Soyuz 017 Tube
Chandler Limited
TG Microphone
AEA R88 mkII
HUM AUDIO RS-2
Coles 4038 Matched Pair
+ Coles 4072 (pair)
Royer R-122V Matched
Pair + RSM-SS1 (pair)
Sennheiser MD-441
Electro-Voice RE 20
Beyerdynamic M88TG

STOMPBOXES:
Eventide Space
Eventide TimeFactor
Sherman Filterbank
TC-Electronic TC 1210 Chorus
TC-Electronic Helicon
Voicelive 2
TC-Electronic TC 1210 Chorus
Hologram Microcosm
Zoom Multi Stomp MS-70 CDR
Proco Rat 2 Distortion
Strymon BigSky
Rocktron Banshee 2
Electro Harmonix
Big Muff PI USA
Oto Machines BIM
Oto Machines BOUM
Oto Machines BAM
SPACE GENERATOR
Gamechanger Audio Plus Pedal
Tube Overdrive
Metal Distortion

DRUMS:
Pearl Masters Maple Reserve
Ludwig Supraphonic LM402
Tama Iron Cobra +
Roadpro hardware
Cymbals
Zildjan K-Custom, Zildjan
A-Custom (set)
Sabian HHX Evolution (set)

OTHER STUDIO EQUIPMENT:
Empirical Labs E7X FATSO
AMS Neve 1073 LB Preamp
Bricasti System 2
(2x Bricasti M7 + Bricasti M10)
Thermionic Culture
The Ultra Vulture

TONARIUM is the "mainframe"
of the Lab, it consists
of four modules:
a custom-made analog
matrix mixer with built-in
digital conversion,
a computer-interface
module with custom-made
control voltage converters
running SPAT Revolution
software and two "banana"
modular systems.

RANDOM*SOURCE
SERGE SYSTEM:
2x Siegfried, 1x TKB,
1x Crocodile, 1x Inori, 1x SQP4,
1x DUSG XL, 1x dual extADSR

BUGBRAND SYSTEM:
4x Dual Pre, 3x DDSR, 2x Seq,
2x SeqSw/Rand, 2x Ddiv,
2x Ddrct, 2x Logic, 2x Penrose,
2x 2130VCO, 2x CVCO,
2x Qsine, 2x Denv, 2x DCMix,
2x Matrix, 4x PT Dly,
4x Phase, 2xMultip, 2x LPG,
2x DMix, 6x Dfilt, 8x DrvVCA

KEYBOARDS:
Sequential OB-6
Udo Audio Super 6
ARP 2600 M
Nord Lead 3
Moog One 16 voice
Vermona PerfourMer MKII
Access Virus TI2 Darkstar
Hammond XK-5
Komplete Kontrol S88 MK2
Elektron Analog Four Mk 1
Elektron Rytm Mk 1
DSI Prophet 12
DSI Mopho
DSI Tetra
Korg Polysix (Kiwisix)
Moog Voyager
Moog Sub Phatty
Nord Lead 4
Roland Juno-60
Siel DK600

MONITORING SYSTEM:
STEREO: ATC SCM 110
ATMOS 7.1.4 EXPANSION:
ATC SCM25A PRO (4 pc.)
ATC SCM45A PRO
ATC SCM20ASL PRO MK2 (4 pc.)
Audeze LCD-X

36 CHANNEL IMMERSIVE
SOUND SYSTEM:
Fohhn Audio AT-07
(32 main speakers)
Fohhn Audio XS-4
(4 subwoofers)
Software:
SPAT Revoultion Ultimate

* full hemisphere emulation