

The sound of prayer in the modern Orthodox Holy Church

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Abstract. The sound of prayer in the modern Orthodox Holy Church Christ mentioned in the Gospels as "Logos". So the sound is a fundamental means of bringing the truths of our faith. The Byzantine church architecture until 1200 AD utilizing the experience and expertise of the ancient Greeks and Romans in closed and open ancient theaters tried the sound through the Byzantine church is austere, plain, natural as befits souls who pray, highlighted with some frequencies that cause the emotion and devotion. That's why they built domes and domes with specific heights and dimensions created suitable number of windows that without the existence of provisions reinforcing the sound reaches all parts of the uniform and of course giving the grandeur befitting. In the modern church today because of the multitude of believers and noise of modern cities is not enough to listen to the voice of the intensity operator, and the chanter but needed to be magnified a natural sounding unchanged from machines and settings, resting souls. Sound engineers around the world with the help of modern technology and sound studying, observing, experimenting on the acoustic behavior of Christian churches and make appropriate recommendations. Yes we are now in a position to give a tone of prayer in the modern orthodox church. How to talk about a sound that corresponds to a place of worship and not a concert.\

Περίληψη. Ο Χριστός αναφέρεται στα Ευαγγέλια ως Λόγος. Άρα ο ήχος αποτελεί θεμελιώδες μέσο προσέγγισης των αληθειών της πίστης μας. Οι ναοδόμοι του Βυζαντίου μέχρι το 1200 μ.Χ. αξιοποιώντας την εμπειρία και την τεχνογνωσία των αρχαίων Ελλήνων αλλά και των Ρωμαίων στα κλειστά και ανοιχτά αρχαία θέατρα προσπάθησαν ο ήχος μέσα στο βυζαντινό ναό να είναι λιτός, άδολος, φυσικός όπως αρμόζει σε ψυχές που προσεύχονται, με τονισμένες κάποιες συχνότητες που προκαλούν το συναίσθημα και την κατανύξη. Γι αυτό κατασκεύασαν θόλους και τρούλους με συγκεκριμένα ύψη και διαστάσεις και δημιούργησαν κατάλληλο αριθμό παραθύρων ώστε χωρίς την ύπαρξη ενισχυτικών διατάξεων ο ήχος να φτάνει σε όλα τα μέρη του ομοιόμορφα και φυσικά δίνοντας τη μεγαλοπρέπεια που αρμόζει. Στο σύγχρονο ναό σήμερα λόγω του πλήθους των πιστών και των θορύβων των σύγχρονων πόλεων δεν είναι αρκετό να ακούει με ένταση τη φωνή του ο λειτουργός και ο ψάλτης αλλά απαιτείται να μεγεθυνθεί ο φυσικός ήχος αναλλοίωτος από μηχανήματα και ρυθμίσεις, ξεκουράζοντας τις ψυχές. Μηχανικοί του ήχου σε όλο τον κόσμο με τη βοήθεια της σύγχρονης ηχογνωσίας και τεχνολογίας μελετούν, παρατηρούν, πειραματίζονται στην ακουστική συμπεριφορά των Χριστιανικών ναών και κάνουν τις κατάλληλες προτάσεις. Ναι, είμαστε σε θέση σήμερα να δώσουμε έναν ήχο προσευχής στον σύγχρονο ορθόδοξο ιερό ναό. Τι θα λέγατε να συζητήσουμε για ένα ήχο που να αναλογεί σε ένα χώρο λατρείας και όχι συναυλίας;

Spyros Skortsis born in December 1964 in Athens. He studied in Athens Electrical Engineering at the Technological Educational Institute of Piraeus and he specialized in Automatic Control Systems. He continued at the National Technical University of Athens and specialized in Acoustic Engineering. At the same time he took part in the study and installation of sound installation at the Peace and Friendship Stadium in Piraeus as the Greek scholar Agency Certification. He worked as a sound engineer in Greek Radio (as an assistant sound engineer Manos Hadjidakis). Alongside studying teacher at the Pedagogical Academy and from 1988 he worked for 18 consecutive years in large private schools in Athens. Simultaneously working on internal and external mission by making small temples, halls for young people with special supervision in acoustics. Create small studio for young talented musicians who did not have the financial ability to create something of their own. In 2000 was awarded by the then President of the Greek Republic Mr Costis Stephanopoulos. as part of a three-member team that created visual material friendly to students who contribute significantly to the learning process. Create audios in excellent picture and sound quality for innovative educational reality of Greece. From

2002 and earlier has worked as a trainer of teachers and secondary school teachers on computer technologies. Since 2005 serving in Public Education. In recent years, practicing the sound engineer and designer sound installations in churches and spiritual centers. Run the sound installation 19 churches in various cities in Northern Greece upsetting the existing audio experience of the faithful and the clergy with the technique of ichomegethynsis. The same work continued in the Athens area In 2013 he visited the U.S. where he advised Parish councils in Washington and New York about the sound in their churches and making High Definition recordings. Guided by experienced mastering engineer Chris Hatzistamou out on location recordings in HD mainly Byzantine and traditional music.