



TORUŃ - THE HOMETOWN OF NICHOLAS COPERNICUS, WAS FOUNDED OVER 750 YEARS AGO AND ITS GLORIOUS HISTORY IS PRESENT ALL AROUND. TORUŃ IS SECOND ONLY TO CRACOW IN THE NUMBER OF HISTORIC MONUMENTS OF INTERNATIONAL UNESCO CLASS. COPERNICUS WAS BORN HERE IN A BURGER'S HOUSE IN 1473 AND SPENT HIS YOUNG SCHOOL YEARS IN TORUŃ. HIS MAIN WORK "DE REVOLUTIONIBUS..." CONTAINED THE FIRST HELIOCENTRIC THEORY OF UNIVERSE.

OLD PART OF THE TOWN, SEPARATED FROM THE NEW HOUSING AREAS WITH THE GREEN BELT, RETAINS ITS MEDIEVAL CHARACTER. THE OLD TOWN HALL (AT PRESENT THE CITY MUSEUM) AND THREE MONUMENTAL GOTHIC CHURCHES (ST. JONES', OUR LADY'S AND ST. JACOB'S) ARE THE MOST SPLENDID EXAMPLES OF HISTORIC TORUŃ ARCHITECTURE. NARROW OLD STREETS WITH THEIR SPECIAL ATMOSPHERE COEXIST VERY NICELY WITH THE UNIVERSITY WHICH IS THE BIGGEST EMPLOYER IN THE CITY.

TORUŃ IS LOCATED IN CENTRAL POLAND, EASY AVAILABLE BY CAR, TRAIN AND PLANE (VIA AIRPORTS IN WARSZAWA, GDAŃSK OR BYDGOSZCZ).

## REGISTRATION

PARTICIPANTS ARE KINDLY ASKED TO REGISTER BEFORE 1 MAY 2008.

FOR MORE INFORMATION VISIT

[WWW.OCT4ART.EU](http://WWW.OCT4ART.EU)

## CONTACT

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## "OPTICAL COHERENCE TOMOGRAPHY FOR EXAMINATION OF ART"

### WORKSHOP

3 - 5 JULY 2008  
TORUŃ, POLAND



CO-ORGANISED BY:  
INSTITUTE OF PHYSICS  
AND  
INSTITUTE FOR THE STUDY,  
RESTORATION AND CONSERVATION  
OF CULTURAL HERITAGE  
NICOLAUS COPERNICUS UNIVERSITY  
TORUN, POLAND

## GENERAL INFORMATION

THE WORKSHOP IS DEVOTED TO A NEW OPTICAL DIAGNOSTIC METHOD:

OPTICAL COHERENCE TOMOGRAPHY, WHICH ORIGINATES FROM MEDICINE BUT WAS LATER ADOPTED TO EXAMINATION OF OBJECTS OF ART FOR CONSERVATION AND INVENTORY PURPOSES. THE TECHNIQUE IS 100% NON-CONTACT AND NON-INVASIVE AND SINCE ITS IMPLEMENTATION IN 2003 WAS SUCCESSFULLY USED TO INVESTIGATE SUCH OBJECTS AS: PAINTINGS, JADE ARTIFACT, PORCELAIN AND FAIENCE, GLASS AND PARCHMENT. HOWEVER, IT IS VERY POSSIBLE THAT MANY FIELDS OF APPLICATIONS STILL REMAIN NOT EXPLOITED.

SINCE THE NUMBER OF GROUPS PRESENTLY EMPLOYING OCT FOR EXAMINATION OF VARIOUS OBJECTS OF ART IS LIMITED, IT IS OUR INTENTION TO PRESENT RESULTS FROM ALL OF THEM. THEREFORE, THE MAJOR EXPECTATIONS FROM THIS EVENT ARE:

- TO REVIEW LATEST RESULTS,
- TO DEFINE AREAS OF APPLICATION,
- TO FIND THE BEST WAY TO DISSEMINATE THE TECHNIQUE,
- ADDITIONALLY, THE FULLY OPERATIONAL SPECTRAL OCT SYSTEM ESPECIALLY DESIGNED FOR THIS PURPOSE WILL BE PROVIDED - EVERYBODY IS INVITED TO BRING HER/HIS SAMPLE AND TO TRY THE METHOD.

## PROGRAMME COMMITTEE

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## WORKSHOP TOPICS

- APPLICATION OF OCT TO STRUCTURAL EXAMINATION OF PAINTINGS AND SIMILAR OBJECTS
- APPLICATION OF OCT TO STRUCTURAL EXAMINATION OF HISTORIC GLASS AND STAINED GLASS
- OCT AS A TOOL FOR MONITORING OF LASER ABLATION OF VARNISHES AND SIMILAR COATINGS
- OTHER APPLICATIONS FOR STRUCTURAL STUDIES AND MONITORING OF CONSERVATION TREATMENT
- OCT AS A TOOL FOR MONITORING OF CANVAS SURFACE DEFORMATION
- POLARIZATION SENSITIVE OCT FOR MATERIALS SCIENCE
- THE BASICS OF THE OCT TECHNIQUE
- PRESENT AND FUTURE OF THE OCT
- OTHER RELEVANT TECHNIQUES (CONFOCAL MICROSCOPY, HARMONICS GENERATION )
- OTHER INTERFEROMETRIC TECHNIQUES (E.G. ESPI, SCHLIEREN ETC.)

