

Curriculum Vitae

Hiroyuki Hasegawa

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QUALIFICATIONS

- 40 years' experience in Photogrammetry, Satellite Surveying and 3D-CAD mapping in Map production and GIS industry.
- Graduated from Kyoto University, Faculty of Literature ; specialized in Oriental History and Human Geography in 1969 and 1971
- Graduated from ITC (International Institute for Aerial Survey and Earth Sciences , the Netherlands) in 1976, with distinction; titled with Photogrammetric Technologist.
- Business organizer in Surveying and Mapping in 4 major fields in GIS
 - (1) Photogrammetric Mapping with Digital Stereo Plotter, Bundle aerial triangulation and Stereo Matching Ortho/Mosaic production
 - (2) Satellite stereo model orientation and 3D-CAD mapping
 - (3) Parameter Estimation Gns Assisted Satellite Surveying for geodetic network adjustment in real time mode and continental wide
 - (4) German style cadastral survey as national land information administration
- Multi-lingual translator of fundamental technological books in major field of surveying
 - (1) Satellite Geodesy(2003)
 - (2) Close range photogrammetry and 3D imaging(2014)
 - (3) Ausgleichsrechnung(2009)
 - (4) Das deutsche Vermessungs- und Geoinformationswesen 2015

EXPERIENCE (1)

GeoNet, Inc., Osaka-city, Japan 1999-present

About company

: registered surveying company in the Ministry of Land, Infrastructure, Transport and Tourism, Japan

Since 2001

Job title: President

- Conducted
 - (1) Photogrammetric Mapping for city administration

- (2) Nationwide geodetic network adjustment with German software; GEONAP
- (3) Archaeological mapping with photogrammetric 3D plotter
- (4) 4D-IMADAS: Image Map Archive Designed Aerial Survey
 - , especially with historical aerial photos in 1940's in Japan and in Myanmar
 - , with bundle adjustment software from German companies
 - , currently with WorldView2/IKONOS/GeoEye/ALOS stereo 3D models
- (5) Map image archiving of CSEAS; Kyoto University based on 3D-CAD
 - , with world standard map projection modules
 - , reorganize map grid system derived from Survey of India and AMS
- Scientific presentations on 4D-IMADAS applications to ACRS 2015
 - , Manila Philippines October 24 - 28, 2015
 - (1) CSEAS-WHC-4D-IMADAS
 - (2) NEPAL Earthquake 4D IMADAS
 - (3) PEGASUS-GGRF
 - (4) Kyoto Heian capital 4 D IMADAS

EXPERIENCE (2)

Company name: PASCO Corporation , place:Tokyo, Japan 1971-1999

About company: the largest and representative mapping company in Japan

Job title: Chief Engineer in Surveying and Mapping

- Established
 - (1) Official specification writer from business side for Surveying act
 - (1.1) Modern specifications in photogrammetric mapping for public projects
 - (1.2) Transition of Japan Geodetic Datum 2000 project
 - (1.3) Developments and accuracy evaluation of aero triangulation systems
 - (2) Leading digital mapping projects in Japan
 - (2.1) GPS/IMU aerial triangulation
 - (2.2) 3D-CAD based digital mapping specification
 - (2.3) Satellite imagery 3D stereo mapping tests in 1990s
 - (3) Scientific presentations on photogrammetric application to ISPRS congresses
 - (3.1) CAD-Globe for 3D-CAD mapping in 1992, ISPRS Washington
 - (3.2) Kobe Earthquake photogrammetric database system in 1996 ISPRS Vienna
 - (3.3) Satellite 3D modeling for mapping in 2000 ISPRS Amsterdam

EDUCATION

Degree, University ,place (xxxx)

Bachelor of Arts, Kyoto University, Kyoto-city Japan (1969); Oriental History

Bachelor of Arts, Kyoto University, Kyoto-city Japan (1971); Human Geography

Technologist diploma in Photogrammetry, ITC (International Institute for Aerial Survey and Earth Sciences, the Netherlands), Enschede the Netherland (1976)