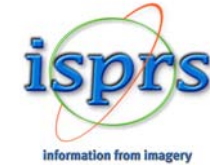




**ISPRS SC Virtual Rooms - The Wisdom of the White Elephants
in Honour of Gottfried Konecny**



Gottfried Konecny: From Draftsman to Professor emeritus – 75 Years of Involvement in Photogrammetry

**Christian Heipke, IPI Hannover
President, ISPRS**



In a nutshell - a career of 75 years

- **1945/46** Draftsman, Survey Office Troppau
- 1950-59 Studies of surveying and mapping
 - IAESTE Internships in Finland and France
 - TU Munich (Dipl.-Ing., 1957), OSU (M.Sc., 1955)
 - TU Munich (Dr.-Ing., 1959)
- 1959-71 Professorship, UNB
- 1971-98 Professorship, Uni. Hannover
- since 1998 Professor Emeritus
 - projects **2020**:
 - Mapping Himalayan Mountains (esri, BUCEA)
 - Global status of top. mapping (UN-GGIM, ISPRS)
 - Consultancy in the Middle East



Richard Finsterwalder



Frederick J. Doyle



A global scientist, a global citizen

Fellowships obtained (selection)

- **Fulbright, US** Government – OSU 1954-1955
- **NSF, US** – Louisiana Polytechnic Institute, USA 1960
- **NRC, Canada** – Photogram. Methods to detect landing sites, Apollo Programme, Houston, TX, 1966-1967
- Visiting Professor, **UNSW, Australia** 1966-1967
- **USSR Acad. of Sciences** – Uni. Leningrad, USSR 1970
- **VW Foundation, D** – IGN Paris, 1984/85
- ...



A global scientist, a global citizen

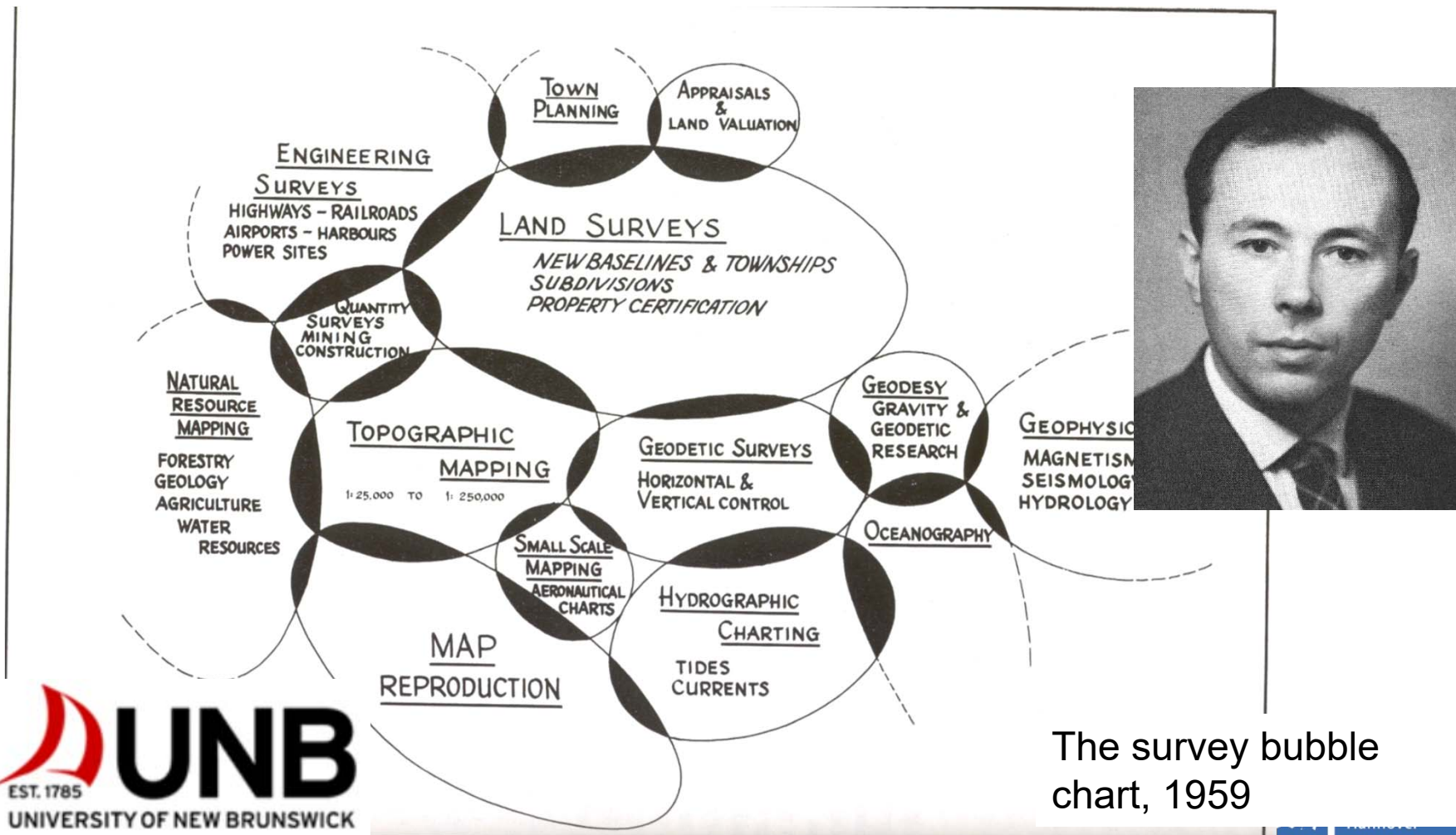
Honorary doctorates and professorships

- Dr. h.c., Universidad Nacional de Tucumán, **Argentina** 1971
- Dr. Sc. h.c., University of New Brunswick, **Canada** 1985
- Honorary Professor, Technical University for Surveying and Mapping, Wuhan, **China** 1986
- Dr. Sc. h.c., Anna University, Madras, **India** 1994
- Dr. h.c., Moscow State University of Geodesy and Cartography (MIIGAiK), **Russia**, 2004



UNB 1959 - 1971

A new undergrad. / grad. programme in survey eng. at UNB (world-wide model, e.g. Cape Town, Sydney)

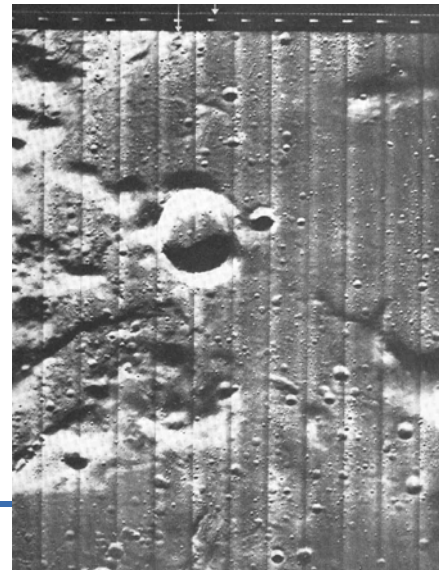
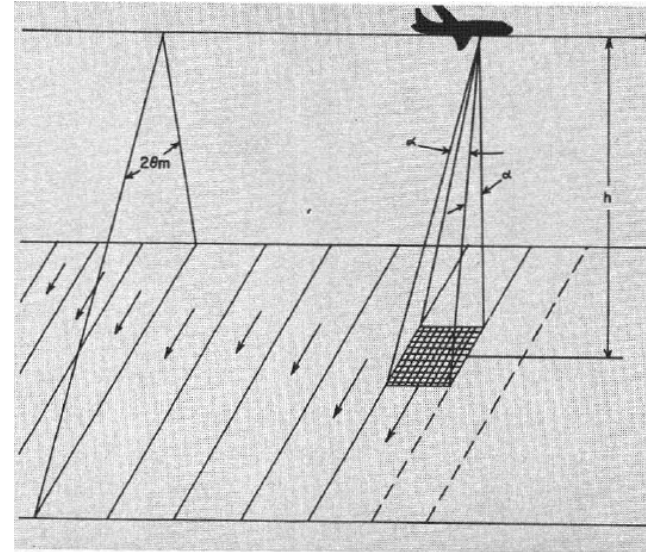


The survey bubble chart, 1959

UNB 1959 - 1971

Research

- math. models for line sensors
- analytical plotters
- mapping lunar landing sites (Apollo programme)
- Mt. Kennedy expedition
- ...



IPI 1971 - 1998



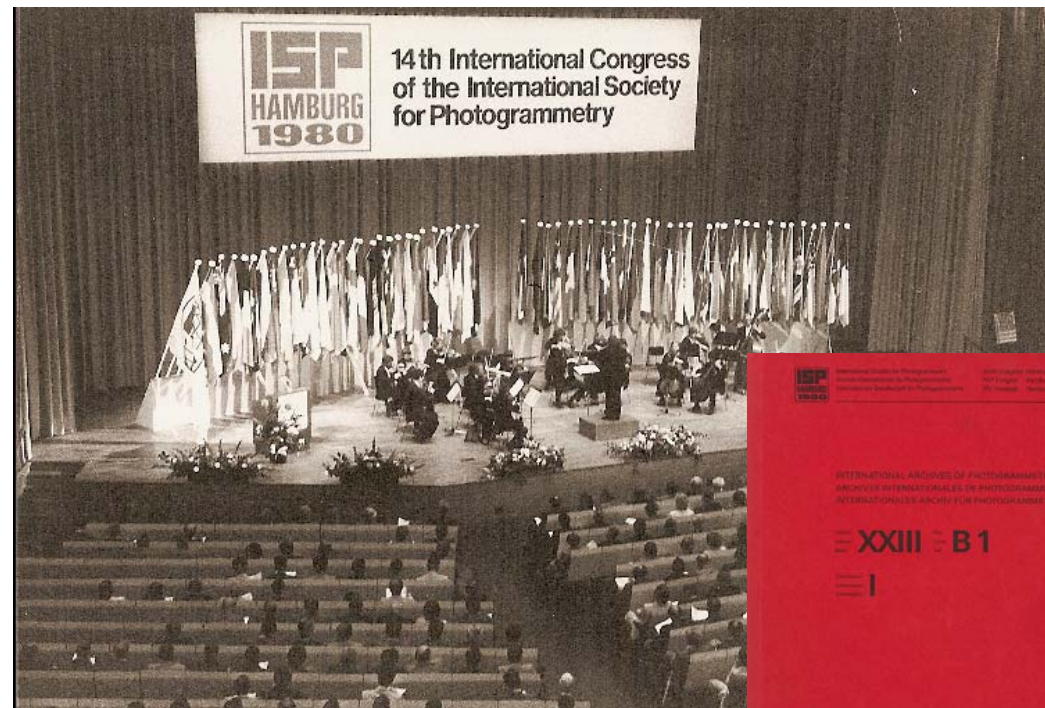
- Analytical photogrammetry
 - bundle block adjustment (**BLUH**)
 - analytical plotters, data processing
- Uki Helava and Gilbert Hobrough at IPI
 - Symposium on „Digital components in photogrammetry“
- SFB 149 “Survey and RS Methods in Coastal Areas”
- **Remote sensing** for topographic mapping
 - sustainable development, food security, land degradation, peace
 - technical cooperation (India, Zimbabwe, ...)
- Photogrammetry **and beyond**
 - cadastre, Land Information Systems, GIS
 - projects in the Middle East (Kuwait, UAE, Saudi Arabia)



IPI 1971 - 1998

ISP(RS) Congress

Hamburg 1980



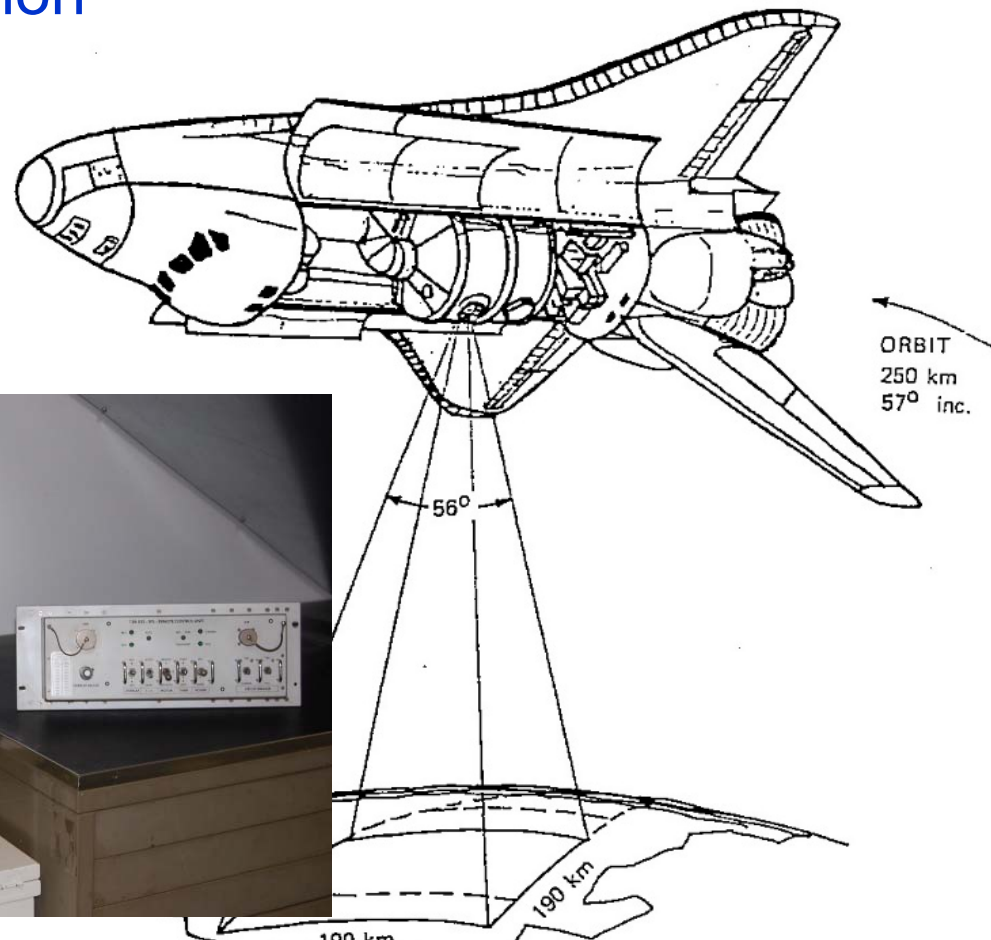
... bound proceedings for the first time
– worth 30 kg





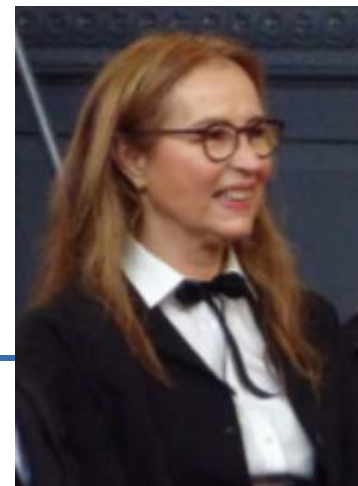
IPI 1971 - 1998

- Metric Camera on **Space Shuttle**:
Stereo coverage of 10% of Earth land mass in
9 day mission



IPI, since 1998

- Ample activities
 - consultancy (Dubai, Riyadh, ...)
 - teaching (White Elephants, ...)
 - international cooperation (GeoSIBIR, UN-GGIM, ISPRS, EARSeL, ...)
- An elder statesman
- A little more time for family and friends



IPI 1999 – in-situ mine inspection

Ruhr region, at a depth of 1000 m



before the inspection ...



... and after



IPI 2015 – a homage to Christo



© G. Konecny, 2015

... an alert observer, always quick with his camera



Mapping the Himalayan Mountain Peaks



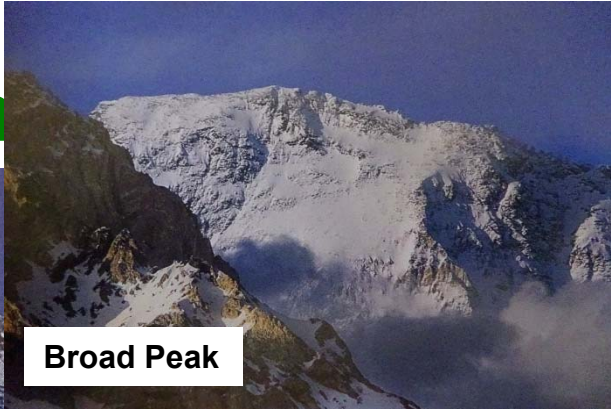
Map

nya

aks



Gasherbrum II



Broad Peak



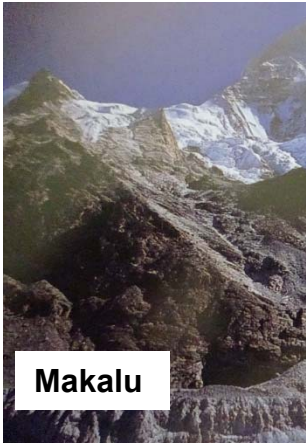
Kangchendzenga



K2



Nanga Parbat



Makalu



Gasherbrum I



Manaslu

Annapurna

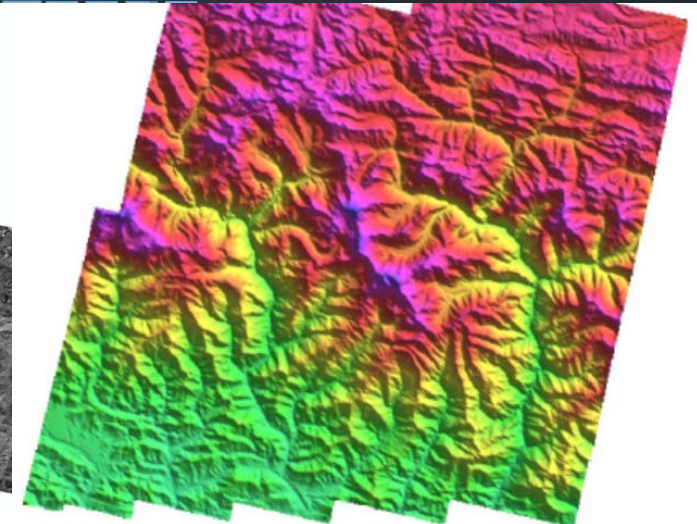
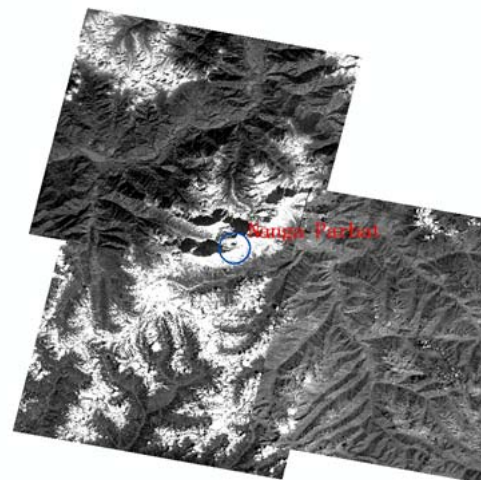
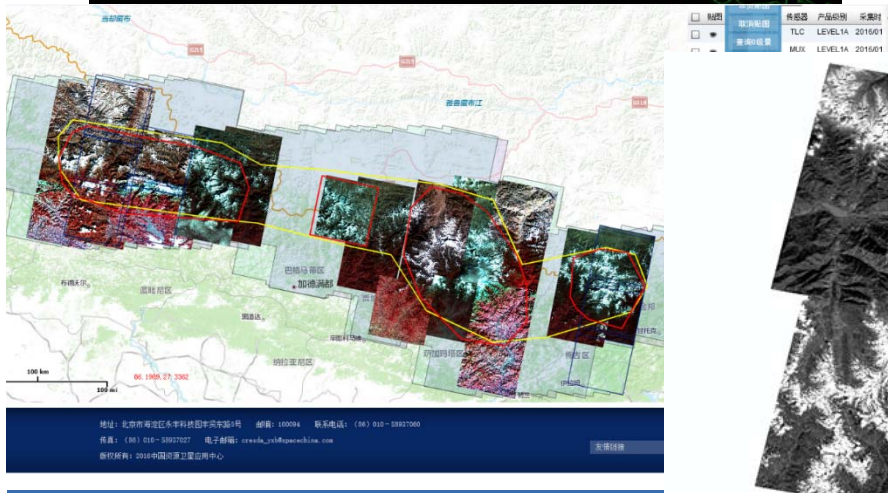
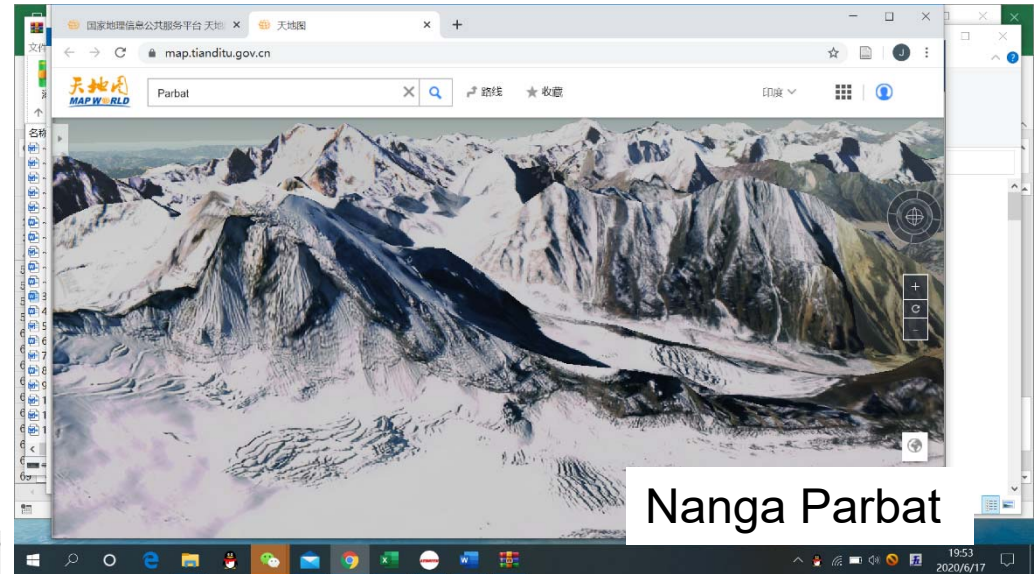
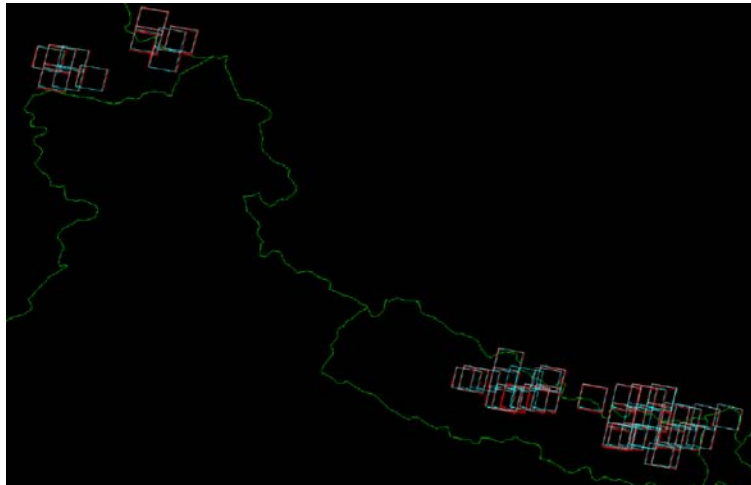
Ongoing project:
Mapping 14 peaks in stereo with Chinese space images

Dhaulagiri



Mapping the Himalayan Mountain Peaks

Work in progress (as of June 17, 2020)



Institut für Photogrammetrie und GeoInformation

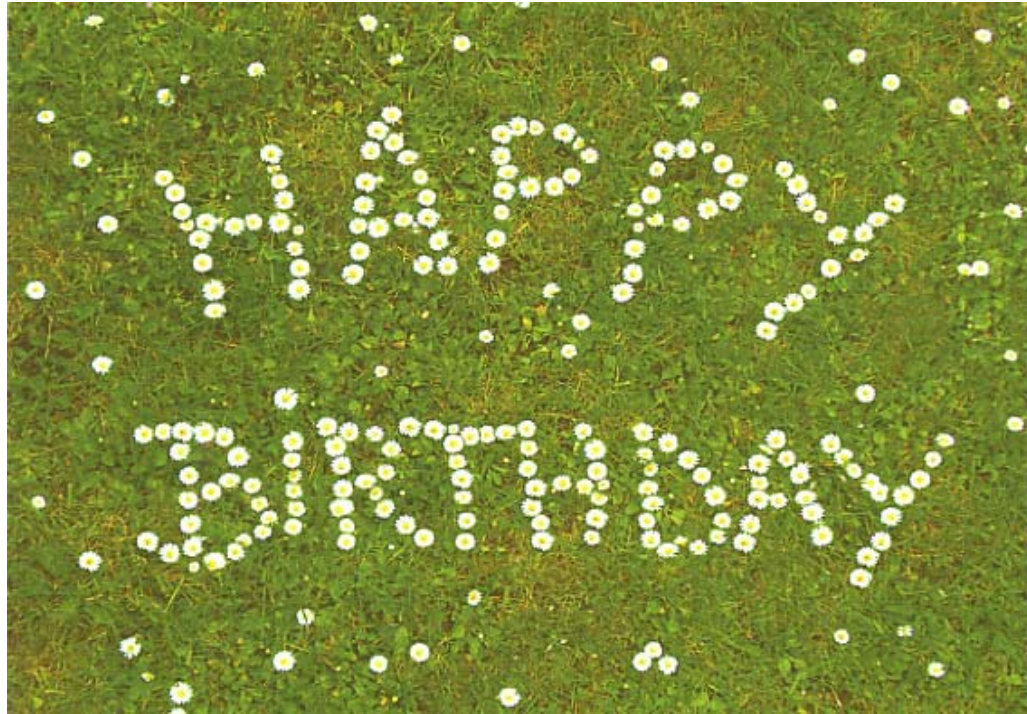
.. in a few words ...



- **A unique personality**
 - utmost intellectual sharpness, combined with will power, energy, physical health, ambition, dedication, curiosity, openness, humanity, humbleness
 - caring for (all!) people
 - across all ages – across the globe – for all people alike
- **A visionary, independent leader**
- **A missionary of global mapping** (standing in for his convictions)
- (for me): An **indispensable advisor and supporter**, who never interfered with my ideas, but was always there when asked – since day 1 of my arrival at IPI



Dear Gottfried ...



.. thank you for all you have done for me,
for us and for the world,
and all the best for the future to you
and everybody around you!

Best wishes from your former institute ...



... instead of ...

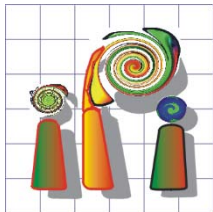
“O, Lord, when I was 60 years”

based on:

- “Hark! The Herald Angels sing”, music: Felix Mendelssohn-Bartholdy
- “Abendgebet zum 60. Geburtstag”, Johann Baptist Sproll (1949)

Translation, arrangement, performance and production by

IPI -The Band



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youtu.be/yJUY7V5IFiE



Institut für Photogram

Happy Birthday to you

Text: Robert H. Coleman

Melodie: Mildred J. Hill u. Patty Smith Hill

