

Foreword

Journal of Geodetic Science (JGS) published in co-operation with the Royal Institute of Technology (KTH) in Stockholm, is a new journal of the geodetic community. It is our hope that it will be a successful one that can meet the following intentions.



Figure 1. Arne Bjerhammar

The tradition of Geodesy at KTH is to great extent in the spirit of professor emeritus Arne Bjerhammar, born in 1917 and professor of Geodesy at KTH from 1949 to 1983. In his research Bjerhammar was involved with so disparate subjects as the constructing

of a prototype tacheometer and parts of the geodimeter (with granted patents), developing the theory of errors and generalized matrix inverses, leading an IAG special study group on the adjustment of the European triangulation network, presenting his own method for gravimetric geoid determination (including "the Bjerhammar sphere"), outlining "a coalescent world geodetic system", proposing the use of the energy integral for satellites and atomic clocks for determining geopotential differences as well as working on the Fennoscandian land uplift and its correlation with the gravity field. His research was awarded a number of prizes, among which the German Gauss Medal, IAG's Levallois Medal and the Great Prize of KTH are the most prestigious.

In this view it is an honour to have Arne Bjerhammar as a member of the advisory board of JGS. The intention is also that the new journal should live up to the spirit of Arne Bjerhammar by being a forum for all subjects of Geodesy. We can see some examples of this intention in the first issue, which contains a diversity of articles on physical geodesy, selenodesy, deformation analyses, an error study of a digital level, as well as two theoretical/mathematical studies on global harmonic analyses and spline representation.

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