

## Nomination Form of Candidate for the International Qian Ning Prize

Name	<b>Gerrit Basson</b>		Sex	M	(photo)
Nationality	<b>South African</b>	Date of birth	<b>24/08/62</b>		
Affiliation	<b>Stellenbosch University (SUN)</b>				
Professional Position	<b>Head of Water Division, Dept. Civil Engineering</b>				
Telephone / Fax		Email	<b>grbasson@sun.ac.za</b>		
Address					

**1. RESUME**

**(1) Education: 1988 B.Eng; 1990 M.Eng; 1996 Ph.D.**

**(2) Professional Positions: Professor, Head of Water Division**

**(3) Involvement in International and National Scientific Activities: Member of several scientific and professional Associations. In particular, ICOLD (International Commission on Large Dams) of which he has been Vice-President, Chair of the Sedimentation Committee and representative of ICOLD in the ISI ( International Sedimentation Initiative) of IHP/Unesco; SANCOLD (South African National Commission on Large Dams) in which he has served as President; WASER (present Vice-President)**

**(4) Research interests, relevant to the prize: Reservoir and river sedimentation; Impact of dams on rivers ; Hydraulic structures; Water resources and sediment management**

**(5) Selected Publications:.. G.Basson, “Reservoir sedimentation. An overview...”, ICOLD Sedimentation Committee, 2008; J.W.L. De Villiers and G.Basson, “Modelling of long-term sedimentation...”; J. of S.A. Inst. Civ. Eng., 2008; G. Basson, “Prediction of sediment induced density currents...”, Int. Conf. On Hydro-Science and Engineering, Cottbus (Germany), 1998; K.R.Langmark and G.R. Basson, “Incipient motion of riprap on steep slopes”, J.Hydr. Eng., ASCE, 2015**

**(6) Academic Achievements and Awards:**

**2. Three most outstanding achievements with supporting materials. ONE: Extensive expertise about sediment production and sediment yield in non-temperate climates, especially in Africa and Southern Hemisphere. Ref. Technical Documents of ISI (Int. Sed. Initiative), IHP, Unesco. TWO: Deep knowledge of problems connected with sediment dynamics, reservoir sedimentation and mitigation measures. Ref. Technical Documents of ICOLD (Sedimentation Committee). THREE: 25 years of consulting in 21 countries and over 10 years of teaching at graduate and post-graduate level, especially in the field of erosion and sedimentation. Ref. Reports of Stellenbosch University.**

**3. Recommendation reasons: Outstanding capacity of integrating teaching, research and consulting activities in the field of erosion and sedimentation, with special regard to African countries.**

Signature: Giampaolo Di Silvio

Date: April 27, 2019

**4. Preliminary screening (to be filled by the Office)**