

## CV Björn Schouenborg

Full Name:	Björn SCHOUENBORG
Born:	1959
Place of Birth:	Sweden
Nationality:	Danish
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### Doctoral degree (year)

1989: PhD Mineralogy & Petrology, Geological institute, University Lund,  
S-412 96 LUND, Sweden

### Current position, appointment period and time for research in the position

2008 - present: Senior researcher at CBI Betonginstitutet, part of the SP-group. Co-ordinator of the Swedish Research Centre for Rock Materials at CBI/SP in Borås and Co-ordinator of EU activities at CBI and Innovation liason officer since 2015.

### Previous positions and periods of appointment

1983 – 1989: Doctoral student and research assistant, Dept. of Mineralogy and Petrology, Institute of Geology, University of Lund

1990 – 2007: *R & D Manager Dept. of Building Materials, Swedish*

Dept. of Building Technology, SP Technological Research Institute of Sweden

### People awarded doctorates for whom the participating researcher has been a supervisor

Has served on the examination committee for five PhD defenses 2000 to 2004.

Has acted as co-supervisor of three PhD and . Lic. Research students.

### National and international assignments of importance

1992- National expert in European Standardisation (CEN) technical committee (TC) 154/SC 6 Aggregates/test methods

1994-1996 National expert in CEN TC 178/WG 2 Natural stone paving units

2007 - Member of Swedish technical committee TK 508 Natursten (Natural stones).

#### **Convenor since 2015**

1992 - National expert in CEN TC 246/WG 2 Natural stones/Test methods

2012- National expert in CEN TC 246 WG1 Nomenclature and definitions

2009- National expert in CEN TC 246/WG 3 Natural stones/Product standards

2009 - National expert in CEN TC 128/SC8 Roofing slate standardisation

2009 - Personal expert in ASTM C 18 Dimension stone (American standardisation)

- 1998 – National expert in RILEM TC 219-ACS Alkali-Reactivity and Prevention –  
2012 Assessment, Specification and Diagnosis
- 1999 - Research and Development Coordinator in Commission 17 (Aggregates) of the present  
International Association of Engineering Geologists (IAEG)
- 1993 Quality system auditor: Inspection and audit of Cement Factory in Lithuania,  
Ackmenes Cementas,, before ISO 9000 certification
- 1997 Quality system auditor: Inspection and audit of Test laboratory in Madrid (Geocisa)  
and Concrete production plant in Cadiz (DRAGADOS) before the production of the  
super structure of the bridge between Sweden and Denmark
- 1996-1998 Development of production control system for aggregate production and subsequent  
audits of concrete aggregates in Sweden and Norway for the tunnel construction  
between Denmark and Sweden
- 2006 Consulting Commission: Conformity Assessment of Stone in Amman, Jordan.  
Qualification of Ajlouni Natural Building Stone for external cladding to affix the CE-  
mark. For DTI, Denmark and RSS (Royal Scientific Society in Jordan).
- 2007 - Chairman (since 2007) of IAEG C 10 Natural stones and Dimension stones.
- 2007 Awarded the CIB/IABSE/RILEM “International certificate” no. 4
- 2009 - Member in Advisory committee of Research Centre for Geological Science and  
Engineering (CICEGE), Portugal
- 2010 Member in the scientific committee of Global Stone Congress,  
Alicante,Spain
- 2009 Reviewer for *Materials Science Forum* (Pt)
- 2009 Reviewer for *Materials Characterization* (Elsevier)
- 2009 – Reviewer for *Bulletin of Engineering Geology and the Environment*
- 2010 - Reviewer for Environmental Earth sciences
- 2010- Member of the board of MinBaS, Program for innovation in the aggregate,  
industry minerals and natural stones industries. The position if for the  
natural stones industry.
- 2007 - Giving annual lectures on geologically based building materials/products  
2012 at Chalmers since 2007
- 2009 - Board member of MinBaS (representative of the Swedish Stone industry  
federation): Swedish RDI-cooperation organisation between the three  
industries; Industrial minerals, Aggregates and Natural stones
- 2010 Member of the International Programme Committee of the 1<sup>st</sup>  
International Conference on Stone and Concrete Machining

- 2010 – 2013 Representative of ECTP (European Construction technology Platform) in the ETP-SMR (SMR= Sustainable Mineral Resources) Ad hoc group on the Raw Materials Initiative
- 2012 8<sup>th</sup> March: Key note speaker on the seminar of Rebirth EU project in Ljubljana: Recycling and reuse – An introduction to Swedish implementation
- 2012- 2015 20 % Guest researcher at the Geological Survey of Sweden (SGU) (3 + 3 years from May 2012)
- 2012- Member of the editorial board of the Bulletin of Engineering Geology and the Environment
- 2012 Member of the scientific committee of the Global Stone Conference in Borba, Portugal
- 2012 – now President of the IAEG/IUGS new committee on Heritage stones, HSTG
- 2012 Convenor/session chair of session 7.2 “Future sources of industrial minerals and construction materials” at the 34<sup>th</sup> IGC (International Geological Conference) in Brisbane
- 2012-2014 Co-ordinator of Swedish 20 M SEK project on stone paving in urban environment
- 2012- Co-ordinator of the new Swedish Competence Centre for stone and rock based construction
- 2012 Course leader for the Swedish stone industry federation on CE-marking of natural stones
- 2013, 2014, 2015, 2016 Co-convenor/session chair of session ERE 3.4: NATURAL STONE RESEARCH AND HERITAGE STONE DESIGNATION at the EGU-conference in Vienna
- 2013 Invited speaker at the Norwegian Mining and quarrying industries autumn conference, Trondheim
- 2013 Invited speaker at Norwegian Mining and quarrying industries environmental conference, Oslo
- 2014 Convenor of one session during the IAEG XII Congress in Torino  
*5.3 - Building stones & ornamental rocks - resource evaluation, technical assessment, heritage designation*
- 2014 Member of the scientific committee of the Global Stone Congress in Antalya, Turkey
- 2015 Session co-convenor at EGU 2015-ERE3.6.3 “Natural stone research and Heritage stone designation”
- 2016 Theme Champion of the 35<sup>th</sup> IGC in Cape Town 2016: Engineering geology and Geomechanics
- 2016 Convenor/Session chair at 35<sup>th</sup>IGC: “Dimension stone and building materials”
- 2016- Chair of IUGS Commission on Geoheritage
- 2016- Chair of IUGS Subcommission on Heritage stones

### **Collaboration and communication of research findings (only larger projects listed)**

- 1996-1997 Co-ordinator of NORDTEST-funded Project No. 1292-96: Test methods adapted for alternative aggregate materials – Part 1 Particle size distribution.
- 1997 Co-ordinator of BANVERKET-funded project (Swedish Railway authority): Inter-comparison trial for sieving and LA-test of railway ballast.
- 1998-2000 Co-ordinator of NORDTEST-funded No. 1393-97: Test methods adapted to alternative aggregate materials – Fragmentation
- 1999-2000 Co-ordinator of NORDTEST-funded No. 1443-99: Bow test for cladding panels of marble.
- 2000-2001 Co-ordinator of project funded by the Swedish Road Administration Project: Test methods for alternative aggregate materials for road sub base.
- 2003 Co-ordinator of NORDTEST-funded No. 1580-02: Test methods adapted for alternative and recycled porous aggregate materials – Part 3 Water absorption.
- 2003-2004 Co-ordinator of project funded by BANVERKET (Swedish Railway authority): Evaluation of testing Railway Track ballast in accordance with the Swedish norm BVF 585:52 and EN 13450 – A basis for the new Swedish regulations.
- 2003-2004 Work package leader in NORDTEST project no. 1624-03: Frost resistance test on aggregates with and without salt (FRAS).
- 2004 Co-ordinator of NORDTEST-funded No. 04029: Stain test for natural stones.
- 2006-2008 Co-ordinator of NICE (Nordic Innovation Centre) funded project 06151 Nordiskt dokument för harmoniserade krav på natursten.
- 2006-2008 Co-ordinator of Swedish project funded by several municipalities: Requirements for public procurement of setts and kerbs of natural stones
- 1993-1997 Partner in EU-project MAT1-CT93 – 0040, project No.134: Testing of Industrial aggregates for construction
- 1994-1995 Partner in EU-project MAT1-BCR: Development of methods for testing abrasion of pavement products manufactured in concrete
- 1996-1998 Work Package leader in EU-project SMT4-CT96-2128: Standard test for alkali reactive rocks, STAR
- 2000-2005 Co-ordinator of EU-project G5RD-CT-2000-00233: Testing and Assessment of Marble and Limestone, TEAM
- 2001-2004 Partner in EU-project G1RT-CT-2001-05019: Ornamental and Dimensional Stones Network OSNET
- 2001-2006 Work package leader in EU-project G6RD-CT-2001-00624: European standard tests to prevent alkali reactions in aggregates, PARTNER
- 2005-2008 Work package leader in EU-project NMP2-CT-2005-515762: Re-engineering of natural stone production chain through knowledge based processes, eco-innovation and new organisational paradigms, I-STONE
- 2011 - 2012 Initiator and work package leader of Nordic, NICE funded project on standardisation for stone industries: SME4stone (NICE proj no. 10117)
- 2012-2014 Initiator and work package leader of EU-project HYDRASPLIT on environmentally friendly splitting of rocks
- 2012-2017 Initiator and coordinator of a national project (20 + 20 M SEK) focussing on resilient infrastructure to meet the challenges of densification of cities and climate changes. Permeable infrastructure and other stormwater solutions: [www.greenurbancities.eu](http://www.greenurbancities.eu)  
Collaboration with VTI and BRRI

2014 - Initiator and WP-leader och national project focussing on material resources  
2016 supply especially aggregates  
2015 - Initiator and coordinator of national project on Innovative stone Façade  
2017 solutions, especially constructions with cladding panels fixed by adhesives