

# Brief CV : Philip Rougier

## 1.0 **ACADEMIC & PROFESSIONAL QUALIFICATIONS**

- 1.1 Higher National Diploma 1968-1971 (**HND**) in Building (3-yrs full-time) Southampton College of Technology (now Solent University); Computing & Structures options.
- 1.2 Master of Philosophy (**MPhil**) research degree, Bournemouth University, 1991-1998  
*Thesis : "Building Defects Diagnosis by Computer . . ."*
- 1.3 IOB ("**CIOB**" from 1980 Royal Charter) Examinations : Part 2 - 1973, Part 3 - 1977
- 1.4 Corporate Member, Chartered Institute of Building (**MCI**OB), *Chartered Builder*
- 1.5 Corporate Fellow, Association of Building Engineers (**FB**Eng)
- 1.6 Corporate Associate, American Society of Civil Engineers (**A.M.**ASCE)
- 1.7 Corporate Member, Society for the Environment (**C.**Env), *Chartered Environmentalist*
- 1.8 National Licensee's Certificate 2132144 - 16 Aug 2000
- 1.9 (*Former*) Member, Chartered Institute of Arbitrators (**MCI**Arb) 1984-2007 (*resigned*)

## 2.0 **PRACTICAL EXPERIENCE**

- 2.1 Local Authority Highway Engineering 1971-1973 - *Poole Borough Council (staff appointment); design, specification, contract documentation for estate roads, car parks, drainage, coastal protection; land surveying & site engineering*
- 2.2 Contract Highway & Housing Development Site Engineering 1973-1975 - (*mainly agency*)  
*private housing developments, public housing schemes, motorways and other major and minor highway construction, gas rig construction (Firth of Clyde, Scotland)*
- 2.3 Housing Development Site Agent 1975-1978; *Bovis Homes (secondment from sub-contractor), & Sunley Homes Ltd (staff appointment)*
- 2.4 Consultant Practice January 1978 to date. Current principal activities :
  - window, door, conservatory & glass defects  
*- for glazing companies, individuals, corporate bodies, local authorities*
  - slips, trips and falls  
*- for claimants, insurers, loss adjusters, corporate bodies, local authorities*
  - construction defect diagnosis - a wide range incl dampness & rot  
*- for individuals, loss adjusters, contractors*
  - fire, impact, water & storm insurance damage  
*- for insurers, insured parties, loss adjusters, insurers*
  - disputed contracts  
*- for contractors, surveyors, contract clients, architects*
  - expert witness duties  
*- including Single Joint Expert appointments*
  - expert determinations  
*- for insurers, loss adjusters, corporate bodies, local authorities*

### 3.0 **BACKGROUND ACADEMIC WORK**

- 3.1 Research : Building defects diagnosis using Artificial Intelligence computer programming techniques and development of a Defects Knowledge Base, Independent Inferencing System, Natural Language Interface and other research modules, comprising the "DEFEX" system.
- 3.2 Software developments associated with research project :
- Expert System : "*CLAYCORE*" , specialist Construction Industry application using NHBC, BRE and proprietary manufacturers' criteria to determine heave solutions for foundation in cohesive soils. Sponsored and distributed by Cordek Ltd.
  - Expert Systems : "*CLAYSCAN*" determining soil desiccation & heave potential after Driscoll (1983), "*CLAYPROBE*" predicting heave extent (soil suction) after BRE (Crilly).
  - Expert Systems : "*GLASS CHECK*" & "*CONSERVA*" in collaboration with the Glass & Glazing Federation's Technical Officers.

### 4.0 **PUBLICATIONS**

- 4.1 Technical reference book : *Site Engineering Practice* ; Longman/Construction Press ISBN 0-582-41236-6.
- 4.2 Technical software applications for structural timber, foundations & soils applications, glazing-related items "*CONSERVA*", "*GLASS CHECK*", "*TIMBER CHECK*" in commercial distribution, used by Local Authorities, Glazing Companies etc.
- 4.3 Quarterly articles on construction topics in "Team Property Matters" magazine (Team Association Ltd, distributing through 500 estate offices, four issues); 2000. Sundry articles for industry journals "Glass and Glazing Products", & "Fenestra".
- 4.4 Novel : *The Surveyors*; Youwriteon/Legend Press ~ ISBN 978-1-84923-318-7

### 5.0 **APPOINTMENTS**

- 5.1 Expert Witness for Dorset Police and Crown Prosecution Service (CPS) in criminal matters (*principally Theft Act 1968, Sect 15 Deceptions*) (1986-1994)
- 5.2 Listing by The Glass and Glazing Federation as an *Independent Glazing Consultant* specialising in window and door installation problems and disputes (1991-1998)
- 5.3 Member of the *Fenestration Associates* network of independent glazing practitioners
- 5.4 Member of BSI Committee B/520/3 - Glazing : Security [armed attack] representing the Association of Building Engineers (ABE).
- 5.5 Member of Panel of Conciliators, Chartered Institute of Building's "*Chartered Building Company*" scheme.
- 5.6 Member of Building Research Establishment's "*Network of Experts in Knowledge Based Systems*" (DTI initiative)
- 5.7 Visiting Lecturer, Emirates Academy of Hospitality Management, Dubai UAE; Facilities Planning & Design BA(Hons) Hospitality Management; (2003 - 2005 inclusive)
- 5.8 Part-time lecturer Southampton Solent University ; Specification, BA (Hons) Architectural Technology; (2005 - 2007 inclusive).

**CONTACT DETAILS**

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