

SCIENCE AND ENGINEERING RESEARCH COUNCIL  
RUTHERFORD APPLETON LABORATORY

COMPUTING DIVISION

DISTRIBUTED INTERACTIVE COMPUTING NOTE 827

STI GRANTS PORTFOLIO  
16 February 1983

*my file*  
issued by  
R W Witty

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STI Grants/Portfolio file

(see next page)

1. RESEARCH PROJECTS (RG2)

<u>Ref No</u>	<u>Investigators</u>	<u>Location</u>	<u>Title</u>	<u>Value</u>	<u>Start Date</u>	<u>Duration</u>
GR/B45139	Dr P J L Wallis	Bath	ADA Conversion Aids	£18,574	01.03.81	30 months
GR/C09319	Dr P J L Wallis	Bath	Development of the Interactive Bath Program Improvement System, IBIS	£32,450	01.04.83	36 months
GR/C09975	Dr M Clint	Belfast	Verification of Pascal Programs	£52,231	01.10.82	36 months
GR/B01500	Dr R J Thomas & Mr J A Kirkham	Bradford	A Micro Computer Based Language for the Specification of Information Systems Requirements	£20,518	01.01.80	36 months
GR/C22783	Dr R J Thomas	Bradford	Micro-PS2 and the SERC Software Technology Initiative	£8,390	01.12.82	36 months
GR/B80611	Dr C J Burgess	Bristol	Automatic Generation of Compiler Test Programs	£38,675	01.01.82	12 months
GR/B93178	Dr M J C Gordon	Cambridge	Theory & Practice of Type Specification	£ 9,490	01.01.82	36 months
GR/C36346	Dr M J C Gordon	Cambridge	Theory & Practice of Type Specification	£20,600	01.01.83	24 months
GR/A87845	Prof R M Burstall	Edinburgh	Specification as a Tool for Program Development	£106,408	01.10.79	39 months
GR/C09081	Prof R M Burstall	Edinburgh	Specification Implementation and Categorical Programming	£118,763	01.07.82	36 months

GR/B88662	Prof R M Burstall	Edinburgh	Relating to Specific- ations as a Tool for Program Development	NIL	06.81	16 months
GR/B09081	Prof R M Burstall	Edinburgh	Specification Implementa- tion and Categorical Programming	£123,141	01.07.82	36 months
GR/C31853	Dr M C B Hennessy	Edinburgh	The Behaviour of Concurrent Systems	£23,300	01.01.83	24 months
GR/B67766	Mr A J R G Milner	Edinburgh	Methodological Studies in Description & Verification	£71,108	01.01.82	36 months
GR/B24486	Mr A J R G Milner	Edinburgh	Mathematical Techniques in the Design of Tele- communications Systems	£28,010	01.04.80	36 months
GR/B89034	Mr A Mycroft	Edinburgh	Tools for the Construction of Efficient & Verifiable Languages	NIL	01.10.81	24 months
GR/B49175	Dr G D Plotkin	Edinburgh	Semantics of abstract data types	£36,376	01.10.80	36 months
GR/B35680	Dr J Darlington	Imperial C	Development of Reliable and Maintainable Software	£33,414	01.06.80	36 months
GR/C19288	Dr T S E Maibaum	Imperial C	Abstract Data Types and Applications to Programming Methodology and Database Theory	£60,850	01.11.82	36 months
GR/C20840	Dr N H White & Dr K H Bennett	Keele	Pascal Run-Time Diagnostics on a Perq Computer	£3,856	01.12.82	24 months
GR/C22875	Dr F K Hanna	Kent	Specification & Verifica- tion of Digital Systems	£28,550	01.09.82	36 months

GR/B27470	Dr M A Hennell	Liverpool	Research Projects in Software Engineering	£104,304	01.10.80	36 months
GR/C21458	Dr M A Hennell	Liverpool	Investigators into the Theoretical Aspects of Functional Testing Techniques	£58,220	01.10.82	36 months
GR/C05670	Dr H Barringer & Prof C B Jones	Manchester	A Formal Specification & Development Method for Parallel Programs	£43,960	01.10.82	36 months
GR/B92881	Dr H Barringer & Prof C B Jones	Manchester	Comparison of Formal Specification Methodologies for Parallel Programs	£2,895	01.02.82	12 months
GR/C05762	Mr I D Cottam & Prof C B Jones	Manchester	An Environment for Rigorous Software Development	£62,650	01.08.82	36 months
GR/C35984	Dr C R Snow	Newcastle	Integrated Tools for Hardware/Software Debugging	£99,632	01.04.83	36 months
GR/B55435	Prof C A R Hoare & Mr J E Stoy	Oxford	Software Engineering	£129,723	01.09.81	36 months
GR/B82431	Dr A D McGettrick	Strathclyde	Program Verification Using ADA	£18,852	02.11.81	24 months
GR/C24428	Dr K D Baker	Sussex	Software Eng-Workstation Environments for Flight Simulator System Design	£61,380	01.01.83	36 months
GR/C06066	Mr B J Edwards Mr P M Livingstone Mr J M Triance	UMIST	Computer Aided Program Design for the Commercial Programmer	£64,050	01.01.83	36 months
GR/C21861	Mr R M Gallimore	UMIST	A Workbench for the Construction of Verified Software	£4,300	01.12.82	36 months

GR/C31655	Mr R M Gallimore Mr D Coleman	UMIST	Software Tools for the Construction of Verified Software	£56,276	01.01.83	36 months
GR/C22189	Mr J M Triance	UMIST	COBOL Language Enhancement Facility	£64,950	01.10.82	24 months
GR/B02026	Mr J M Triance	UMIST	User Directed Configuration of Cobol Compilers	£26,366	01.10.79	42 months
GR/C03959	Prof I C Pyle & Dr I C Wand	York	Continuation of Computing Facilities for Research in Software Technology	£161,128	01.07.82	37 months
GR/B06987	Prof I C Pyle & Dr I C Wand	York	A Workbench Compiler for the Programming Language ADA	£113,125	01.10.79	40 months
GR/B58658	Prof I C Pyle & Dr I C Wand	York	Exploitation from Software Technology Centre	£31,061	01.09.81	36 months
GR/B29337	Prof I C Pyle & Dr I C Wand	York	Computing Facilities for Research in Software Technology	£255,448	01.08.80	36 months
GR/C11824	Dr I C Wand	York	ICF Relating to a Workbench Compiler for the Programming Language ADA.	NIL	12.02.82	33 months

## 2. VISITING FELLOWSHIPS (SVF) INCOMING

<u>Ref</u>	<u>Investigator</u>	<u>Location</u>	<u>Title</u>	<u>Value</u>	<u>Start</u>	<u>Duration</u>
GR/B92454	Prof R M Burstall	Edinburgh	Prof H Reichel	£3,622	01.05.82	2 months
GR/C29171	A J R G Milner	Edinburgh	Dr R Sokolowski	£13,898	01.11.82	12 months
GR/B97800	Prof M Lehman	Imperial C	Prof W M Turski	£23,922	01.09.82	12 months

GR/C14719 Prof C A R Hoare Oxford Mr S A Schuman £11,145 01.09.82 12 months

3. VISITING FELLOWSHIPS (SVF) OUTGOING

<u>Ref</u>	<u>Investigator</u>	<u>Location</u>	<u>Title</u>	<u>Value</u>	<u>Start</u>	<u>Duration</u>
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NONE YET

4. DEVELOPMENT CONTRACTS (EMR)

4.1. EMR Contracts already Let.

Req No	Project No	Value	Holder	Inst	Work
3R 0580	EC55220 (STI) (sbEC55200)	£7941	Needham	Cambridge	Modula 2 (Mary Thompson) (1 PERQ)
Swindon	(STI)	£41,034	Pyle,Wand	York	Ada compiler (2 RAs) (2 PERQs)
3R 0365	EC55200 (STI)	£14,988	McGettrick Shepherd	Strathclyde	Stanford Pascal Verifier + LISP (1RA) (1 PERQ) (1 Ring i/f)
N2R 1805	EC55200 (STI)	£4951	Welsh	UMIST	ISO Pascal Plus (1 PERQ) (1 RA)
N3R 0543	CC52200 (CBP)	£10,000	Wand	York	PERQ X25 (1 PERQ) (1 RA) (1 LSI 11- X25 box) (JNT:B Charles Supervisor)

4.2. EMR Contracts to be let by Central Office for STI.

4.2.1 Welsh, UMLIST.

Pascal tools centre - 3 PERQs.

4.2.2 Brown, Kent.

Quality Control for Tools - 2 PERQs.

4.2.3 Hopkins, Kent.

Fortran Toolpak mounting associated with Brown - ? PERQs.