

Hemant Pendharkar  
( P D L O

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( PD [SOIQGKDUNDU#DOXPQL.XQK.HGX](mailto:SOIQGKDUNDU#DOXPQL.XQK.HGX) )

- 5 ( 6 ( \$ 5 & + 3 UHVHQW & PDWHHQ FHV . QYLWHG / HFWXUHV [MDMK@PDMQ.FW](mailto:MDMK@PDMQ.FW) 3K\VLV D
- x . H \ Q R W H : Sathenita Foundations in Engineering and Technology ) D F X O W \ C W Y 3 U R R S I P H < & & ( D Q G  
 , Q W H U Q D W L R Q D O F R Q I H U H Q F H 1 D J S X U , Q G L D
- x "Suitability of Lattices for Project Based Introduction to Cryptography", with Batsort, H W D O D W R K L Q H H W L Q J
- x "An experimental investigation into the practical performance of lattice reduction algorithm on ideal lattices," Z L W K % D W V R Q  
 H W D O 6 , \$ 0 & R Q Q S X W H Q W L F H G D D S P L Q L Q H H U L

6(59.&(6LJQLILFDQW FRQWULEXWLRQV WR WUXFWXSBUWPHQW DQG FROOHJH LQ  
 x 86) ± )LUVW 6PDUW DVEKIRRXJHGH VGFPSX V H W, HZJDAE XMKJHFDWF XLOWW ISH QMURMSL DWL F  
 P\ YHU\ ILUVW VHPHVWU DW 86)  
 x &DUULHG &RPSXWKH 6FLHQFH 3URJUDP 5HYLHZ  
 x )LUVW 1HWZRDNEHGW 1RUFHVWU 6V EDVWK &GLWIKH LWD DQJGH V RQH  
 x 3DUDOOHO FRPSXWLQJ FOXVWHU LQKDDWL R D F D V D B E O H W I R W H U H Q V H D U F K L W W H D F  
 x 81,; UHVHDFK ODE DW (&68 XVLQJ P\H.DUDFCW2 IILURFI WQKH DZ'W \$ X PW X HW JUDQW

7(\$&+,1\* \*UDGXDWH

	ODWKHPDWLF & RPSXWHU 6FLHQFHDWL V WLFODQJPHQW &RUH &XUULFX		
<u>*UDGXDWH</u>	\$OJHEUD , \$OJHEUD ,, \$QDO\VLV , \$QDO\VLV ,, 'LVFUHWH ODWK IRU 7HDFKHUV		,QIRUPDWLRQ 7HFKQRORJ\ ± D &RUH FRXUVH LQ 06 LQ 0DQDJPHQW SURJUDP

7(\$&+,1\* 8QGHUJUDGXLWHDQRQIFJKHVFKRRO

	6XUYH\ RI ODWKQWURGXFWRQ WR &RPS 6F &ROOHJH \$OJHEUD & -\$9\$ 3UH &DOFXOXV&6 , & -\$9\$ )LQLWH ODWKH PDWULFD PPLQJ &RPFHSWV +RQRUV &DOFXOXV, 6WUXFWXUHDWDLV DQG &DOFXOXV , \$XWRPDWD 7KH RU &DOFXOXV , 8QL[ 6\ VW 3URJUDPPLO &DOFXOXV , , 2SHUDWLQJ 6\ VW WLFV L V W I S S O L F D W L R Q 1XPEHU 7KH RU 6\ VW 1HW \$GPLQV WUDWL R Q 'LIIHUHQWLDQ &RPSXWHU \$UFKLWHEWXUH 'LVFUHWH ODWKDWD &RPP 1HWZRUN WR 'LVFUHWH ODWKURJ , Q & XQGHU 8QL /LQHDU \$OJHEUD FLHQWLILF 3URJUDPPLOJ &RPSO /LQHDU \$OHHEOD 3URJUDPPLOJ \$EVWUDFW \$OJHEUD RUNLQJ 6HFXULW		&RPSXWHUV LQ 6RFLHW\ 8UED HW XGLHV 'HSW LQ %XVLQHV )UHVKPDQ 2ULHQWDLRQ
<u>1RQ &amp;UHLW &amp;RXUVHV</u>	6XUYH\ RI 2S 6\ VWHPV 6\ VWHP \$GPLQV WUDWL R Q 1HWZRUN \$GPLQLV WUDWL R Q 6KHOO 3URJUDPPLOJ /DUJH 6WRUDJH \$GPLQ 'HYHSG ZLWK (0&		
<u>+LJK 6FKR</u>	\$EVWUDFW \$OJHEUD		
<u>0LGGOH 6FKR</u>	3UREOHP 6ROYLQJ VNLOOV FRPSXWHU ODWKHPDWLFV FRPSHWLWL R Q		

7(\$&+,1\* ,QYLWHG VHPLQDUV OHFWXUHV DQG

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( PD [SOQQKDUNDU#DOXPQL XQK HGX](#)

.QWHUQVKLS MXSHZRYLNHLGZLWK W KIH Q RFDVQGGVXVWLDWDHGGV KQSWHUQVKLS  
FRRUGLQDWRU IRUG&HSDSXWPHHQWFLHQRSMHUYLWKHLSWKHVH

%XVLQHVV DQG .QG XVMQCKQSN DUH(QFHHQBHHQGGDUNYDU &RQ)VQDOWLOQFA) #HWD O

6\ VWHP DQG 1HWZRUN \$GPLQLVWUDWLRQ DQG ,7 0DQDJHPHQW  
0\ H[SHULHQFH LV QG PDWBOVPEMHWK DQGRQDROODQG &UDQGLQDUGH[SHULHQFH HDQG RI  
ILYH FRXUVH FHLPDQGF DMMZRUWVGLQLQLVWUDWLRQ  
x , ZDV WKH 81,; 6\ VWHP \$GPLQLVWUDWLRQ FRUDVGH 6 WDSWUWPHHQW 80LPSWKLUH  
0\ UHVSQRVLELOLWLHV LQFOXGHG 8EIXWVGRWHDLSDQGLQGHWHUQDSDJLQJH  
PDQDJLQJ XVHU DFRQVWFWHQYRHHWZDVKHVEYKHXZSVEZWLWLQJ DXWRPDWLRQ V  
ILOH VHUYHU IRUDQGGREXWFLQLHQWVWHIP LQVWDOO XSJ  
x \$W :RUFHVWHU 6WDWH 8QLYHUVLWURU &RPSWWSUWGHGDFKHODVQWUQDQD]RQW I  
\HDUV , ZDVWHHRSRQMLSDULQJ EXVGHVODDQGHFKGHFLYDQLQJ

+21256 \$1' \$:\$5'6 )HOORZGHKLSF \$HDDUWGRKSWISVKEKRODYUQL\*SDQWV  
x 3RVW 7HQXUH (:RDFKDWHRQ6WDWH 8QQGHUVLV\ 5DWHQ HD[DFSDUHDV ZDLVH  
x \$OGHQ 7HDFKLQPHHQRZMKWGHJILHUVVRWHDFRKRUW :68  
x )DFXOW\ (FHOHQFH LQ 6FKRODGRKHSVDQG 6MDWBUFKL\$ZDVGW\  
x 7HDFKHU RI WKH \HDU \$ZDUG:RPHQWHUDQVDFDQWVHFVHU  
x 0HULW %RQX:R\$ZDUGHU 6WDWGHGDFKLYH UHULW  
x \$SSUHFLDWLRQ\$ZDUGHU 6WDWHRQWRHWKHV&Q\$GWXGHQW &KDSWHU  
x (GXFDWRUSpecialInterest Group on Computer Science EducationKDUORWWH 1&  
x (GXFDWRUSpecialInterest Group on Computer Science EducationXVWLQ 7;  
x 7UDYHO \*UDQWProgram in Languages 3/ ', &RQIHUHQFH LQ 6QRZELUG 8WDK  
x 7UDYHO \*UDQWProgram in Languages 3/ ', &RQIHUHQFH LQ 9DQFRXYHU &DQDGD  
x 0DWKHPDWLFDO 6FLHQFH 5HVHDUPKLUQVWLFRXVQDGRVGHVHGH  
x 'LVVHWDWLRQ 2QDPRZKJLSLWGHQHUHVLVLRQWZ +DPSVLUH  
x 7UDYHO \*UDQW D W International Conference on Operator AlgebrasQ 6KDQD L-XQK  
x 7UDYHO \*UDQW 1DUWRQHU%RDKHFRVDFW on Operator Algebras , QGLD -DQXDU\  
x 0HULW 6FKR'ISDVMLPSHQW RIQDVMKVEWWRFV%RPED\ DQG  
x \$WKOHWLF 6FKRQDURQLS8QLYHUVLV\ RI %RQD 0HGRQZLQGLQGLXFRUWVW  
&KDPSLRQWILSHFWHG WR DQG 5HSUHDVHGHVGRVHLSQL&KIDV\$MRQWKLVKH

'2' 6HFXULW\ &SDUDQFH