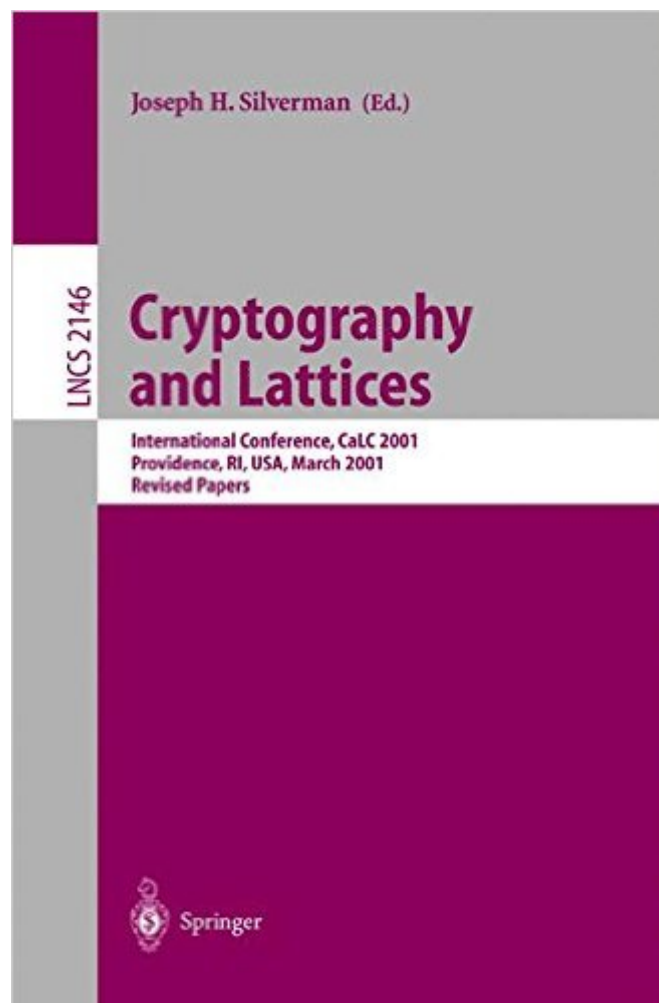# Cryptography And Lattices: International Conference, CaLC 2001, Providence, RI, USA, March 29-30, 2001. Revised Papers (Lecture Notes In Computer Science)

Synopsis

ThesearetheproceedingsofCaLC2001,the?rstconferencedevotedtocr- tographyandlattices. Wehavelongbelievedthattheimportanceoflattices andlatticereductionincryptography,bothforcryptographicconstructionand cryptographicanalysis,meritsagatheringdevotedtothistopic. Theenthusiastic responsethatwereceivedfromtheprogramcommittee,theinvitedspeakers,the manypeoplewhosubmittedpapers,andthe90registeredparticipantsamply con?rmedthewidespreadinterestinlatticesandtheircryptographicappli- tions. WethankeveryonewhoseinvolvementmadeCaLCsuchasuccessfulevent; inparticularwethankNatalieJohnson,LarryLarrivee,DoreenPappas,andthe BrownUniversityMathematicsDepartmentfortheirassistanceandsupport. March2001 Je?reyHo?stein,JillPipher,JosephSilverman VI Preface Organization CaLC2001wasorganizedbytheDepartmentofMathematicsatBrownUniv- sity. Theprogramchairsexpresstheirthankstotheprogramcommiteeandthe additionalexternalrefereesfortheirhelpinselectingthepapersforCaLC2001. TheprogramchairswouldalsoliketothankNTRUCryptosystemsforproviding ?nancialsupportfortheconference. Program Commitee DonCoppersmith IBMResearch Je?reyHo?stein(co-chair), BrownUniversityandNTRUCryptosystems ArjenLenstra Citibank,USA PhongNguyen ENS AndrewOdlyzko AT&TLabsResearch JosephH. Silverman(co-chair), BrownUniversityandNTRUCryptosystems External Referees AliAkhavi,GlennDurfee,NickHowgrave-Graham,DanieleMicciancio Sponsoring Institutions NTRUCryptosystems,Inc. ,Burlington,MA

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