CONTENTS

THE EDITORS
Preface 1

PETR VOPĚNKA
Prague set theory seminar 5

MARIE HÁJKOVÁ
My life with Petr, Petr's life with me 9

PETR VOPĚNKA
The problem of actualizability of the classical infinity 13

PAVEL PUDLÁK
Arithmetic in Prague in the 1970–80s 27

DICK DE JONGH, RINEKE VERBRUGGE,
AND ALBERT VISSER
Intermediate logics and the de Jongh property 33

ZOFIA ADAMOWICZ
My cooperation with Petr Hájek 53

MATTHIAS BAAZ
Recollections of a non-contradictory logician 57

KAMILA BENDOVÁ
LC'80, or else how we wanted to organise a conference 61

IVAN M. HAVEL
Seeing numbers 71

DAN POKORNÝ
Where are hypotheses being born?
On exploratory and confirmatory faces of the GUHA method 87

JAN RAUCH
The GUHA method and observational calculi:
tools for data mining 103

MARTIN HOLEŇA
Fuzzification of some statistical principles of GUHA 129

IVAN KRAMOSIL
From relative frequences to lattice-valued possibilistic measures 141

RADIM JIROUŠEK
A note on simple factorization
in Dempster-Shafer theory of evidence 151

JANA ZVÁROVÁ
Managing uncertainty in medicine 169

FRANCESC ESTEVA AND LLUÍS GODO
On uncertainty and Kripke modalities in t-norm fuzzy logics 173

SIEGFRIED GOTTWALD
Shaping the logic of fuzzy set theory 193

VILÉM NOVÁK
A brief history of fuzzy logic in the Czech Republic
and the significance of P. Hájek for its development 209

MIRKO NAVARA
What is primary: negation or implication? 227

ALEŠ PULTR
Why some fuzzifications are easier than others 243

FRANCO MONTAGNA
Petr Hájek, BL logic and BL-algebras 257

DANIELE MUNDICI
From BL to MV 273

ANATOLIJ DVUREČENSKIJ AND BELOSLAV RIEČAN
On states on BL-algebras and related structures 287

NIKOLAOS GALATOS AND PETER JIPSEN
A survey of generalized Basic Logic algebras 303

EWA ORŁOWSKA AND ANNA MARIA RADZIKOWSKA
Discrete duality for some axiomatic extensions
of MTL algebras 329

PETER VOJTÁŠ
Fuzzy logic as Hájek's comparative notion of truth
and applications in preference modeling 345

JAN WOLEŃSKI
Vagueness and ambiguity 361

CHRIS FERMÜLLER
Fuzzy logic and vagueness:
can philosophers learn from Petr Hájek? 373

JONÁŠ HÁJEK
A poem 387

THE LIBRARY OF THE INSTITUTE OF COMPUTER SCIENCE
AND PETR CINTULA
Bibliography of Petr Hájek 389