Contents

Preface

Index

0.	Basic notations and conventions	1
1.	Basic facts on linear group representations	2
2.	The unitary inducing procedure	32
3.	Square integrable linear group representations	58
4.	Basic facts on real nilpotent Lie groups	75
5.	The real Heisenberg nilpotent Lie group. Part I	101
6.	The coadjoint orbit picture	119
7.	The real Heisenberg nilpotent Lie group. Part II	140
8.	Applications to signal theory	168

197