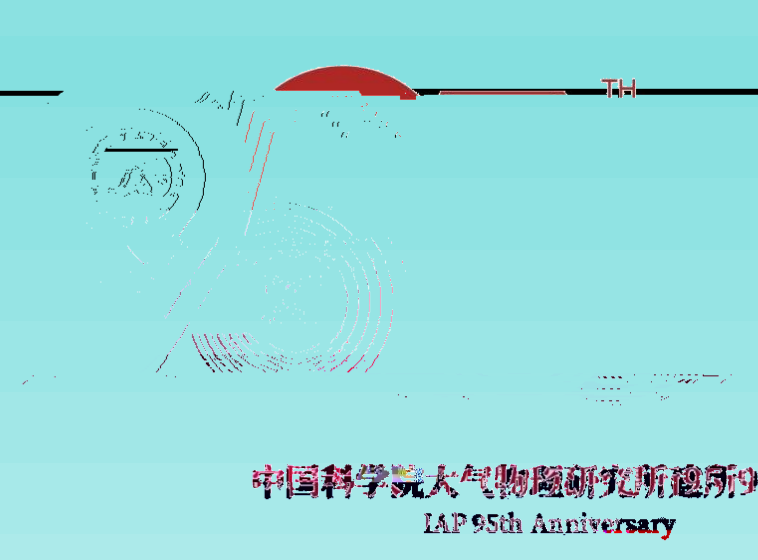


# The mushroom-like air pollutant formed by the strong anthropogenic heat island over typical coal-burning plants



## INTRODUCTION

- There exists strong nighttime heat island effects above a coal-burning steel plant in summer, with an average temperature difference of 6.5 and an average humidity difference of 38%.
- ✳ Large-eddy simulations reveal significant heat island circulations with intense undraft